

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063982.D
 Acq On : 16 Oct 2019 12:46
 Operator : VA/SY
 Sample : VD1016SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 16 13:36:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	188934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	295712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	291407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	154294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	88267	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	7.92	113	87916	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.34	98	382820	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.63	95	125992	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	24450	18.248	ug/l 97
3) Chloromethane	2.21	50	78407	18.943	ug/l 91
4) Vinyl Chloride	2.35	62	91628	21.159	ug/l 99
5) Bromomethane	2.76	94	56931	20.449	ug/l 94
6) Chloroethane	2.92	64	60253	21.039	ug/l # 86
7) Trichlorofluoromethane	3.27	101	129307	22.584	ug/l 95
8) Diethyl Ether	3.70	74	16669	18.138	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	31950	20.159	ug/l 94
10) Methyl Iodide	4.29	142	37338	17.097	ug/l 97
11) Tert butyl alcohol	5.24	59	8650	61.648	ug/l # 86
12) 1,1-Dichloroethene	4.06	96	29896	18.881	ug/l 90
13) Acrolein	3.91	56	8843	53.827	ug/l 84
14) Allyl chloride	4.71	41	51696	19.637	ug/l 99
15) Acrylonitrile	5.42	53	37994	93.773	ug/l 97
16) Acetone	4.17	43	40303	84.158	ug/l 95
17) Carbon Disulfide	4.40	76	99939	17.363	ug/l 98
18) Methyl Acetate	4.72	43	19035	20.322	ug/l # 81
19) Methyl tert-butyl Ether	5.49	73	68874	16.797	ug/l 94
20) Methylene Chloride	4.96	84	43728	18.694	ug/l 86
21) trans-1,2-Dichloroethene	5.47	96	39294	19.934	ug/l 93
22) Diisopropyl ether	6.36	45	103925	19.330	ug/l 97
23) Vinyl Acetate	6.31	43	298531	93.337	ug/l 100
24) 1,1-Dichloroethane	6.27	63	67290	20.319	ug/l 98
25) 2-Butanone	7.23	43	48201	84.929	ug/l # 86
26) 2,2-Dichloropropane	7.21	77	58994	19.693	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	42537	19.065	ug/l 95
28) Bromochloromethane	7.54	49	19866	17.054	ug/l 98
29) Tetrahydrofuran	7.57	42	29764	89.849	ug/l 95
30) Chloroform	7.71	83	69223	19.245	ug/l 97
31) Cyclohexane	7.98	56	66221	21.946	ug/l 96
32) 1,1,1-Trichloroethane	7.90	97	62485	20.251	ug/l 98
36) 1,1-Dichloropropene	8.11	75	56083	20.743	ug/l 96
37) Ethyl Acetate	7.30	43	23038	18.757	ug/l # 78
38) Carbon Tetrachloride	8.10	117	57049	20.880	ug/l # 90

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	71253	21.433	ug/l	92
40) Benzene	8.36	78	159966	20.646	ug/l	96
41) Methacrylonitrile	7.51	41	7441	11.870	ug/l #	69
42) 1,2-Dichloroethane	8.43	62	43652	19.476	ug/l	98
43) Isopropyl Acetate	8.46	43	40292	17.770	ug/l	99
44) Trichloroethene	9.11	130	47044	21.056	ug/l	98
45) 1,2-Dichloropropane	9.39	63	37248	19.640	ug/l	95
46) Dibromomethane	9.48	93	21298	19.719	ug/l	98
47) Bromodichloromethane	9.66	83	54378	19.555	ug/l	93
48) Methyl methacrylate	9.46	41	20716	19.068	ug/l	90
49) 1,4-Dioxane	9.47	88	6210	421.219	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	109756	93.333	ug/l	96
52) Toluene	10.40	92	108600	20.417	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	51100	18.832	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	59445	19.031	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	30463	19.976	ug/l	93
56) Ethyl methacrylate	10.66	69	35256	18.256	ug/l	96
57) 1,3-Dichloropropane	10.95	76	49929	19.135	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	74888	90.215	ug/l	99
59) 2-Hexanone	10.99	43	75255	88.467	ug/l	100
60) Dibromochloromethane	11.14	129	38937	19.612	ug/l	95
61) 1,2-Dibromoethane	11.25	107	28145	19.037	ug/l	93
64) Tetrachloroethene	10.88	164	40283	20.249	ug/l	91
65) Chlorobenzene	11.67	112	119107	20.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	43317	20.088	ug/l	97
67) Ethyl Benzene	11.75	91	214409	20.318	ug/l	97
68) m/p-Xylenes	11.86	106	171529	42.112	ug/l	100
69) o-Xylene	12.18	106	78116	20.029	ug/l	100
70) Styrene	12.20	104	129905	19.675	ug/l	98
71) Bromoform	12.36	173	20915	18.072	ug/l #	99
73) Isopropylbenzene	12.48	105	214561	20.686	ug/l	96
74) N-amyl acetate	12.29	43	39775	17.811	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	34598	19.169	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	44086	42.660	ug/l #	100
77) Bromobenzene	12.76	156	50466	19.529	ug/l	98
78) n-propylbenzene	12.82	91	260433	21.391	ug/l	98
79) 2-Chlorotoluene	12.91	91	135782	20.226	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	186074	21.503	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	10117	17.324	ug/l	94
82) 4-Chlorotoluene	13.01	91	145862	20.482	ug/l	99
83) tert-Butylbenzene	13.23	119	155294	20.164	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	183038	20.517	ug/l	99
85) sec-Butylbenzene	13.40	105	221926	21.338	ug/l	100
86) p-Isopropyltoluene	13.52	119	212692	21.611	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	103051	20.182	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	104513	20.747	ug/l	99
89) n-Butylbenzene	13.85	91	200227	21.857	ug/l	98
90) Hexachloroethane	14.11	117	36245	20.477	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	90648	20.600	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5303	17.303	ug/l	87

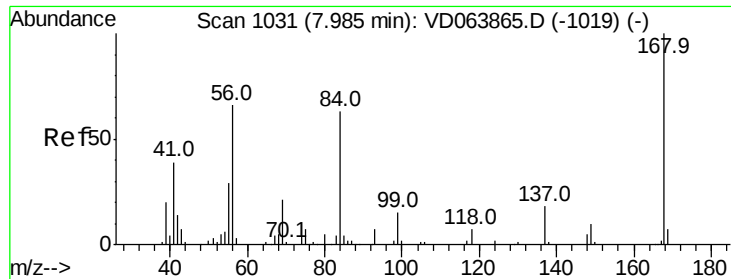
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	65151	19.188	ug/l	98
94) Hexachlorobutadiene	15.27	225	38832	20.725	ug/l	96
95) Naphthalene	15.41	128	106705	18.698	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	53846	18.381	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

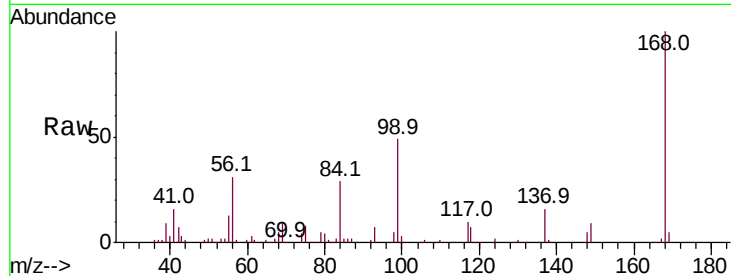
ClientSampleId :

Tot Ion:168 Resp: 188934

Ion Ratio Lower Upper

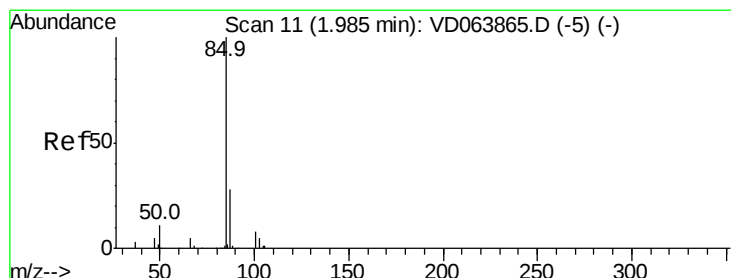
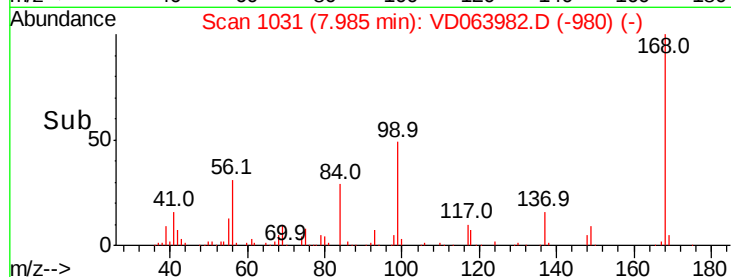
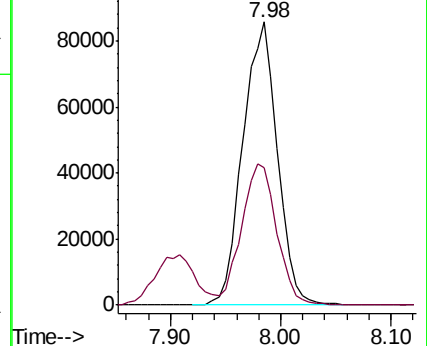
168 100

99 48.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.248 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063982.D

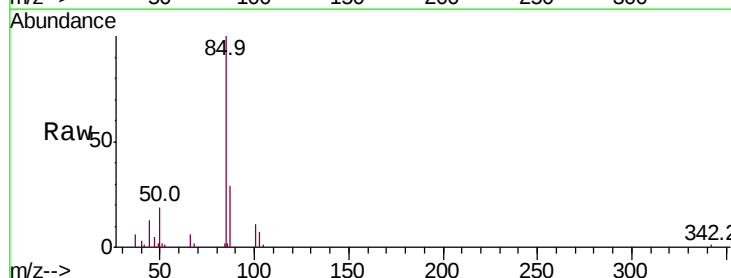
Acq: 16 Oct 2019 12:46

Tgt Ion: 85 Resp: 24450

Ion Ratio Lower Upper

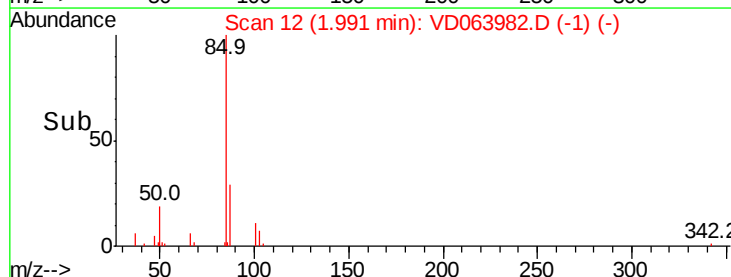
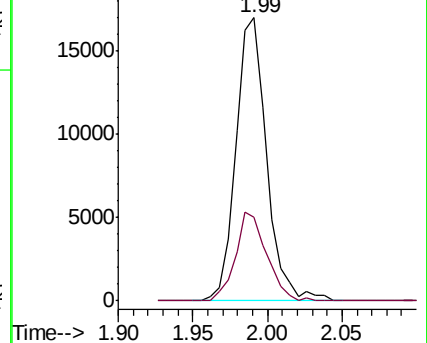
85 100

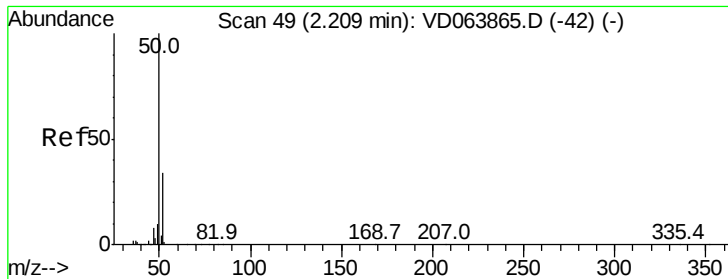
87 29.5 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.943 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

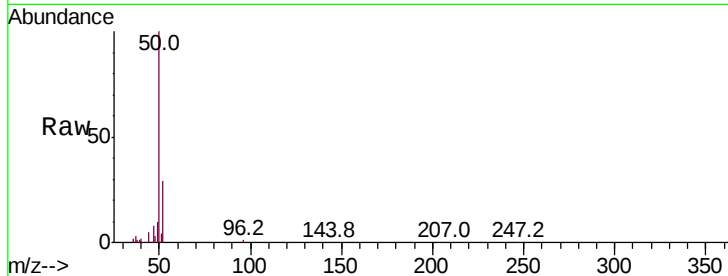
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 78407

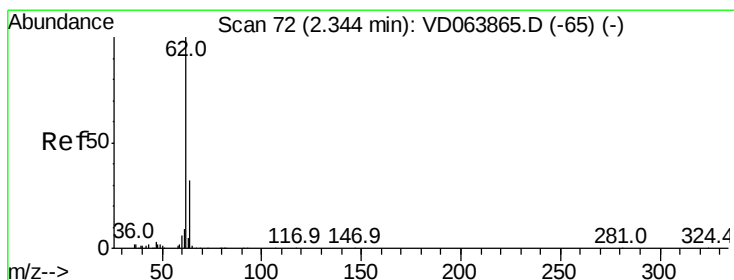
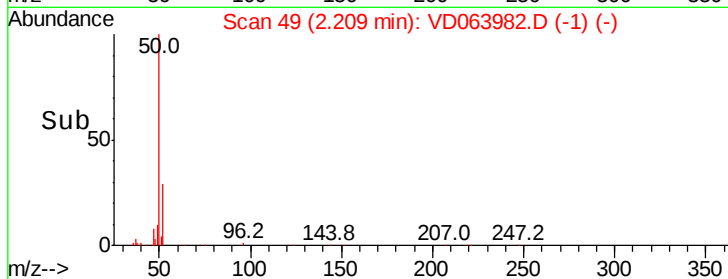
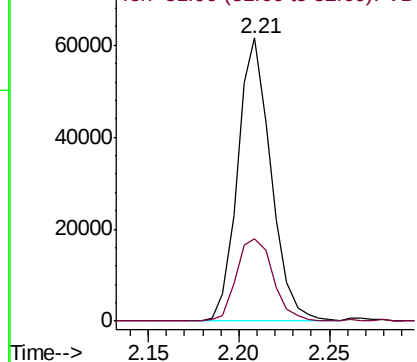
Ion Ratio Lower Upper

50 100

52 29.1 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.159 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063982.D

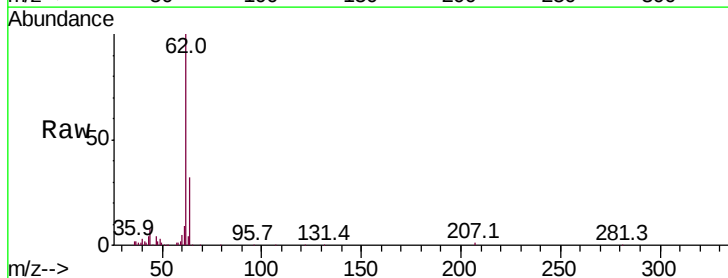
Acq: 16 Oct 2019 12:46

Tgt Ion: 62 Resp: 91628

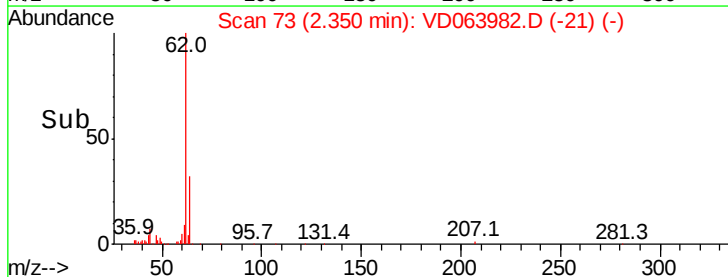
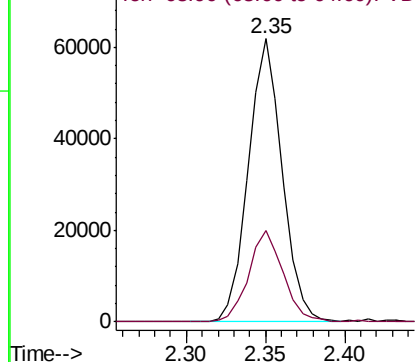
Ion Ratio Lower Upper

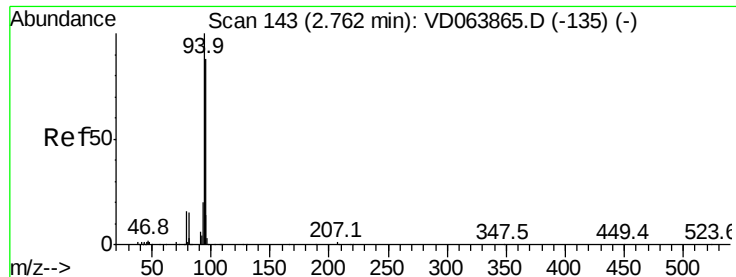
62 100

64 32.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.449 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

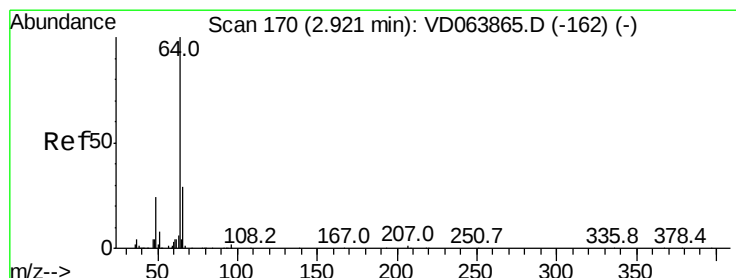
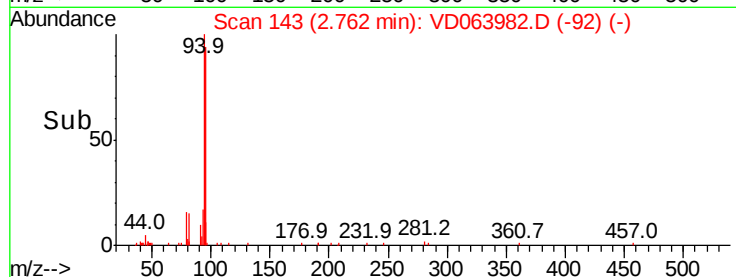
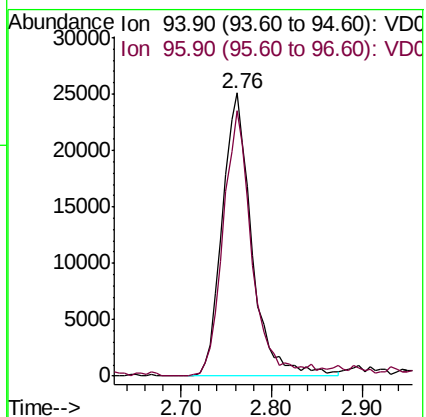
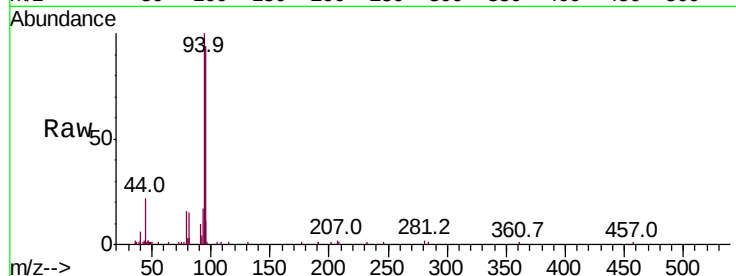
ClientSampleId :

Tot Ion: 94 Resp: 56931

Ion Ratio Lower Upper

94 100

96 93.8 70.8 106.2



#6

Chloroethane

Concen: 21.039 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063982.D

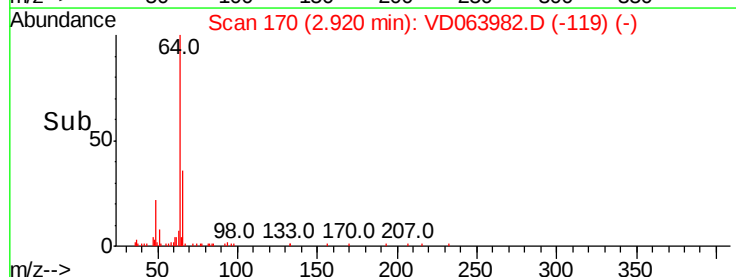
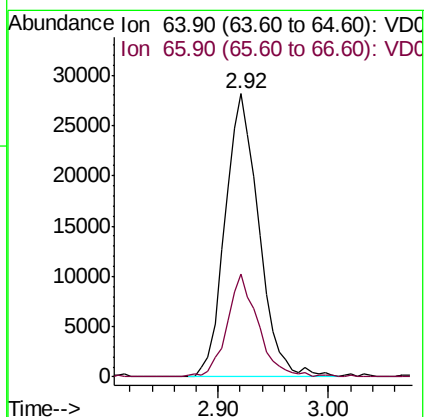
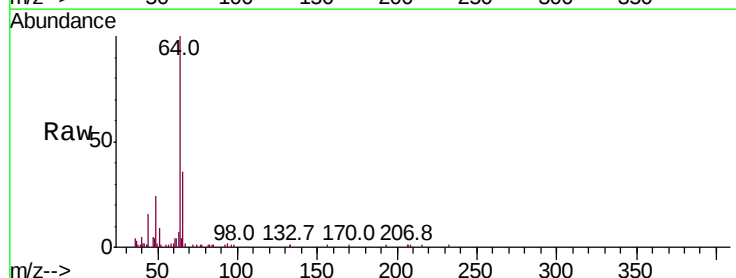
Acq: 16 Oct 2019 12:46

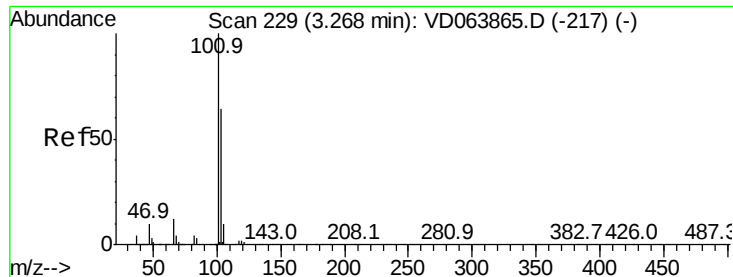
Tgt Ion: 64 Resp: 60253

Ion Ratio Lower Upper

64 100

66 36.2 23.0 34.4#



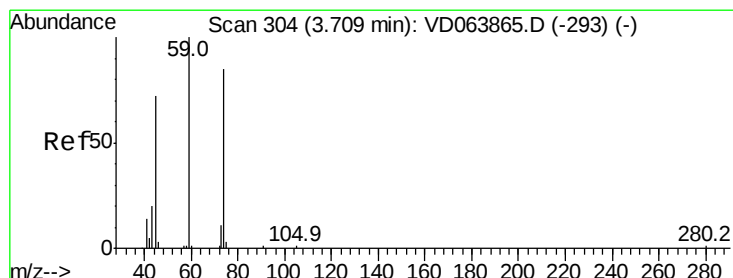
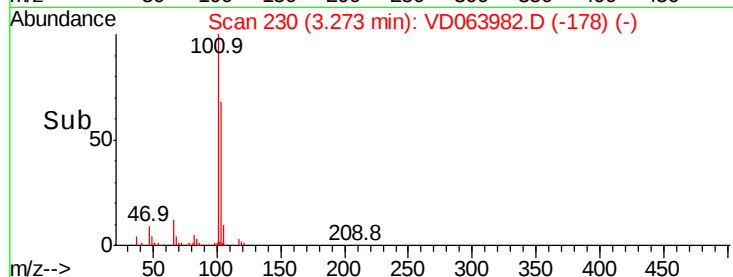
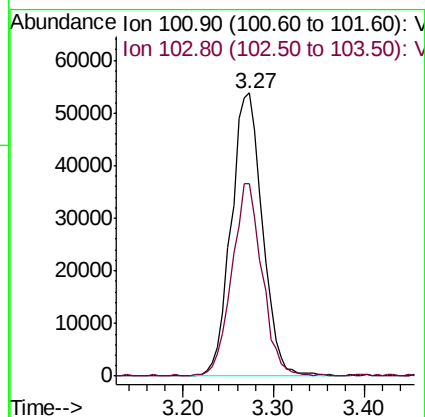
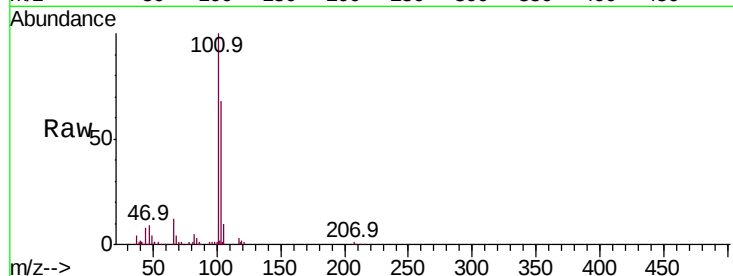


#7

Trichlorofluoromethane
Concen: 22.584 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :

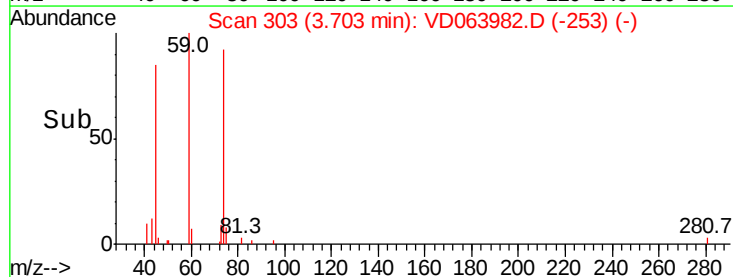
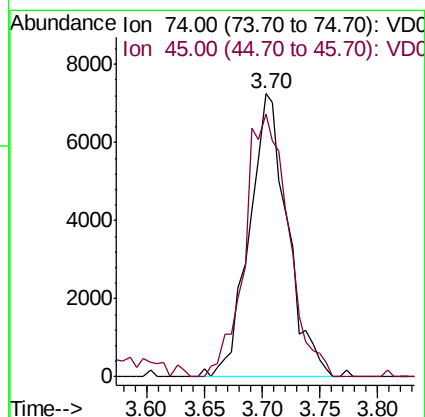
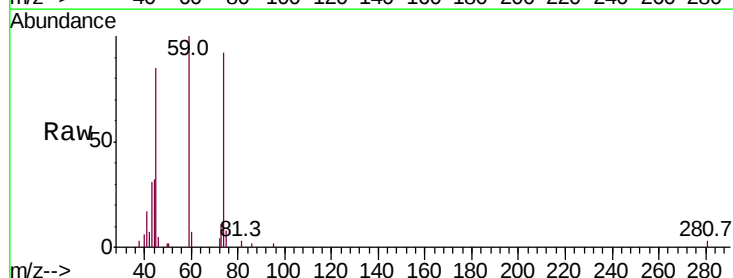
Tot Ion:101 Resp: 129307
Ion Ratio Lower Upper
101 100
103 67.8 51.1 76.7

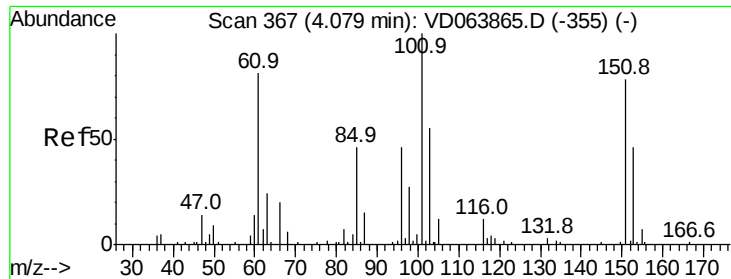


#8

Diethyl Ether
Concen: 18.138 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 74 Resp: 16669
Ion Ratio Lower Upper
74 100
45 106.3 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.159 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

ClientSampled :

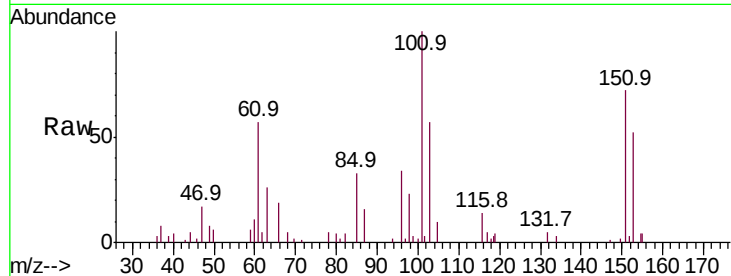
Tot Ion:101 Resp: 31950

Ion Ratio Lower Upper

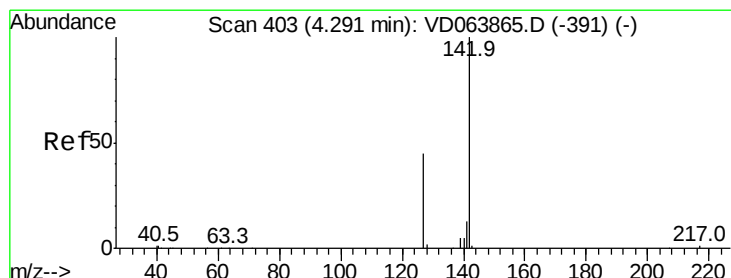
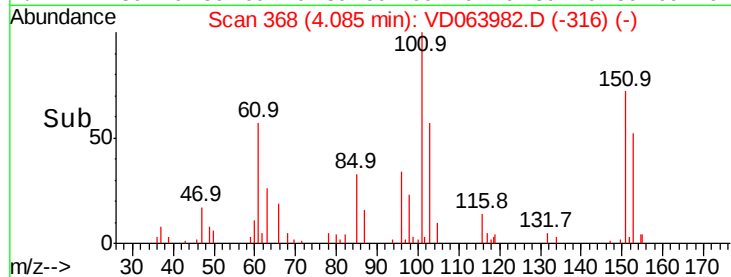
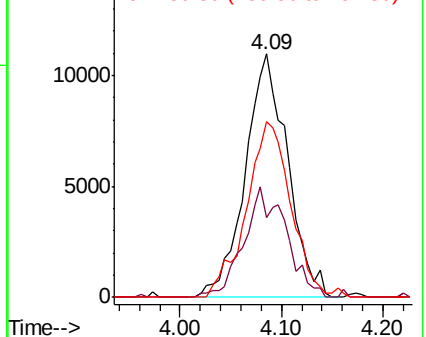
101 100

85 45.5 37.5 56.3

151 75.1 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.097 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

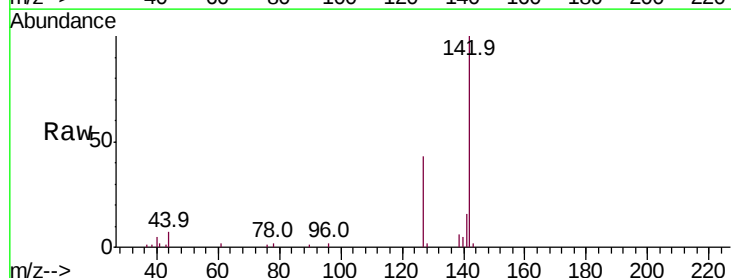
Tgt Ion:142 Resp: 37338

Ion Ratio Lower Upper

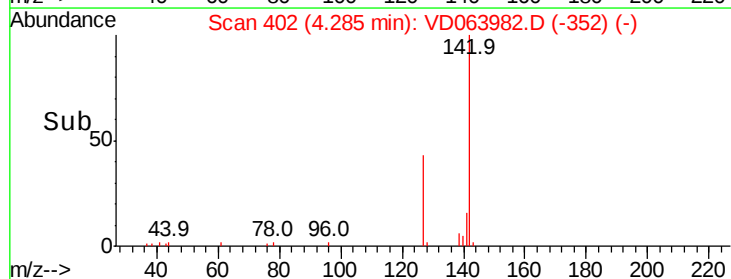
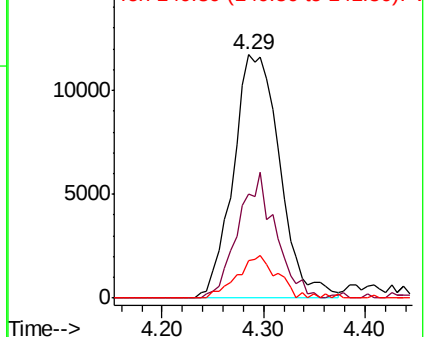
142 100

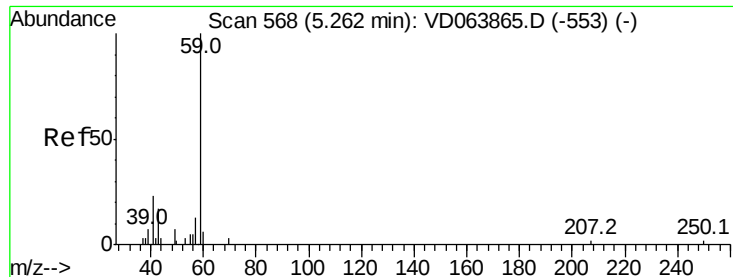
127 41.6 35.3 52.9

141 14.9 12.2 18.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



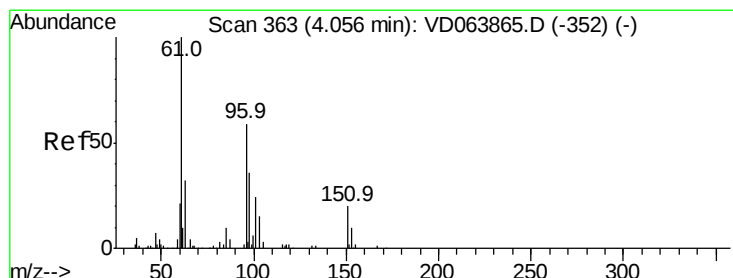
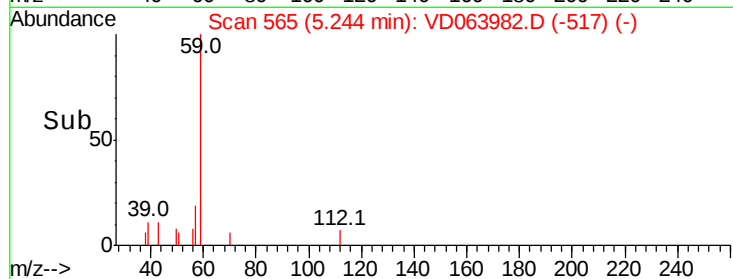
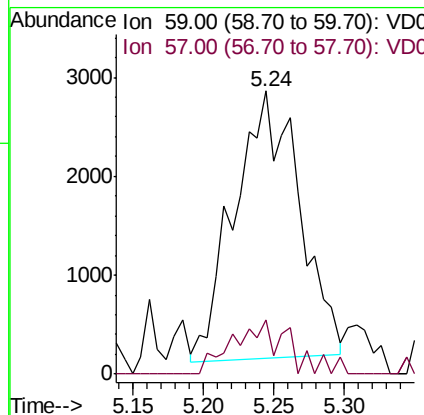
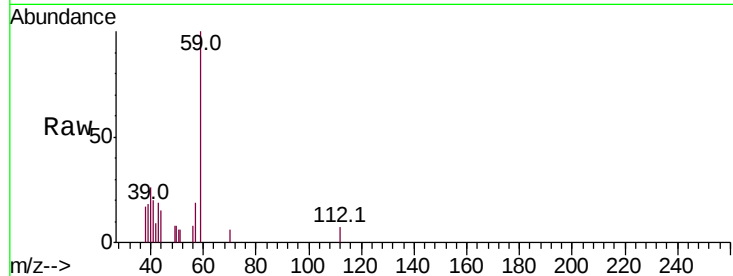


#11

Tert butyl alcohol
Concen: 61.648 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Instrument :
MSVOA_D
ClientSampled :

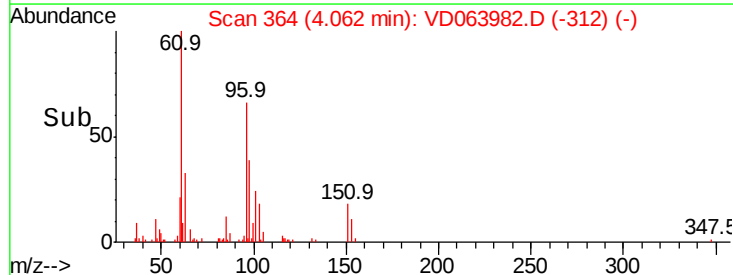
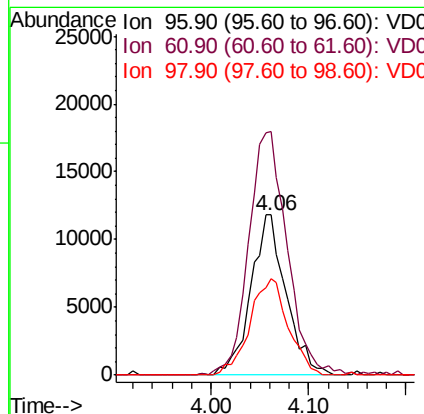
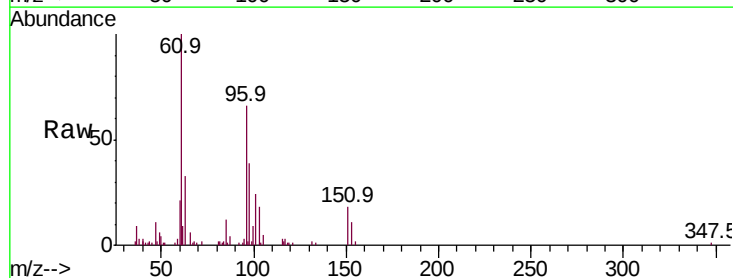
Tot Ion: 59 Resp: 8650
Ion Ratio Lower Upper
59 100
57 16.3 8.8 13.2#

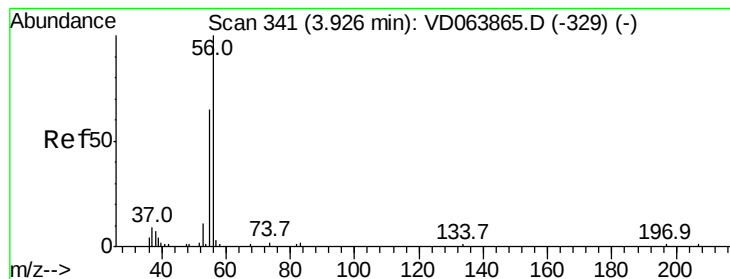


#12

1,1-Dichloroethene
Concen: 18.881 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 96 Resp: 29896
Ion Ratio Lower Upper
96 100
61 152.0 135.6 203.4
98 60.0 49.2 73.8





#13

Acrolein

Concen: 53.827 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

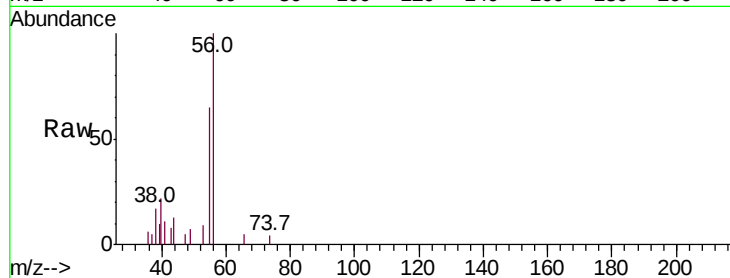
ClientSampleId :

Tot Ion: 56 Resp: 8843

Ion Ratio Lower Upper

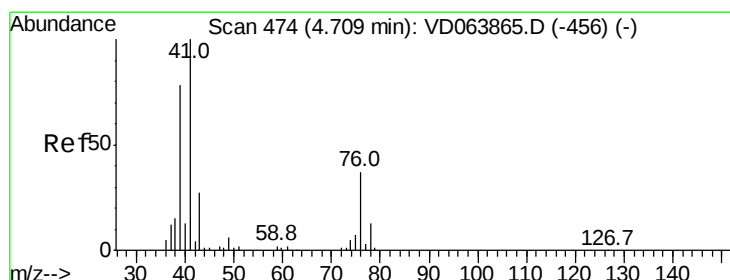
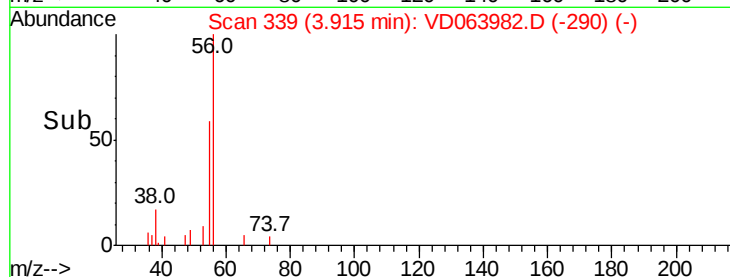
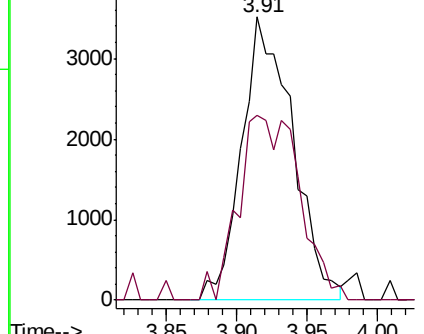
56 100

55 78.9 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.637 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

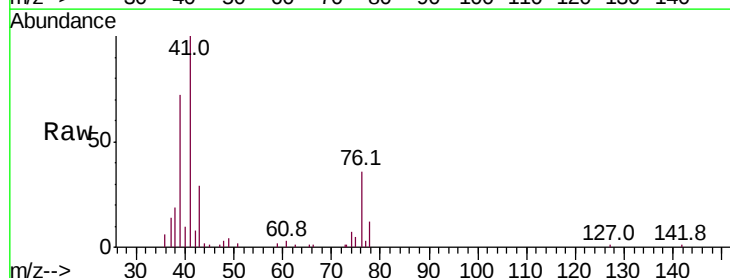
Tgt Ion: 41 Resp: 51696

Ion Ratio Lower Upper

41 100

39 78.5 61.8 92.6

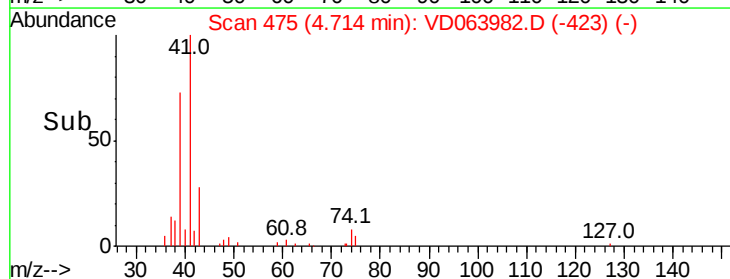
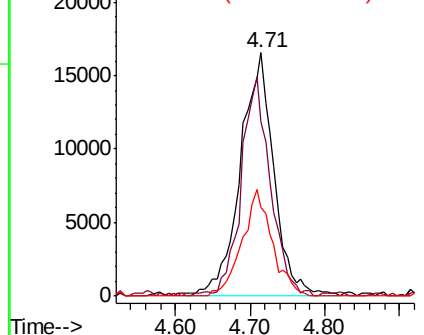
76 39.1 31.3 46.9

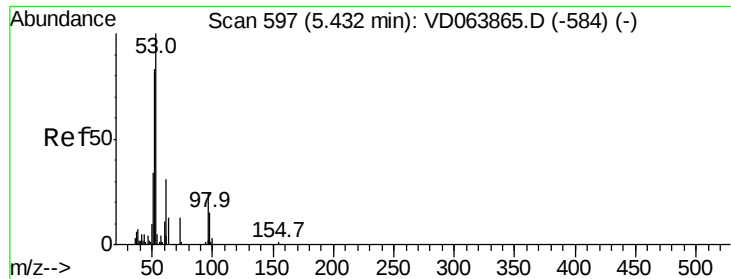


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 93.773 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

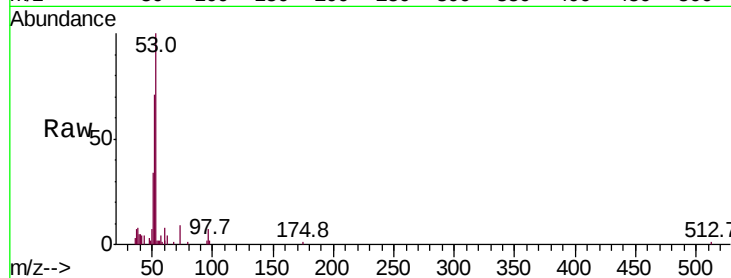
Tot Ion: 53 Resp: 37994

Ion Ratio Lower Upper

53 100

52 82.8 67.3 100.9

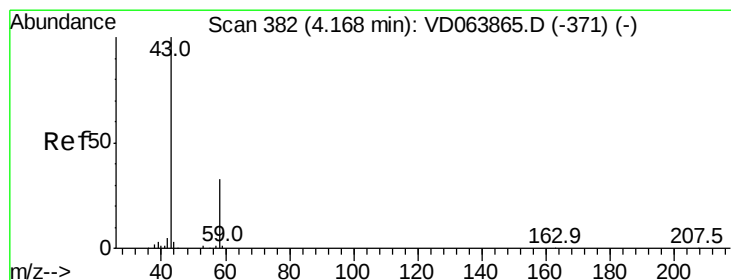
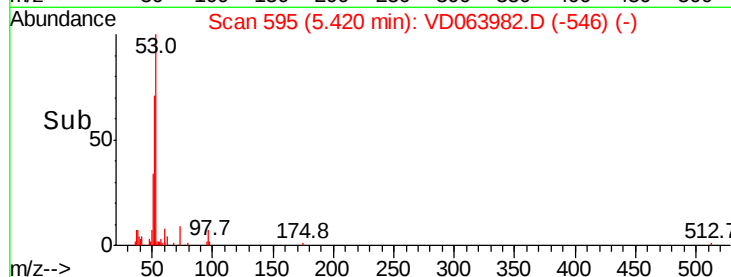
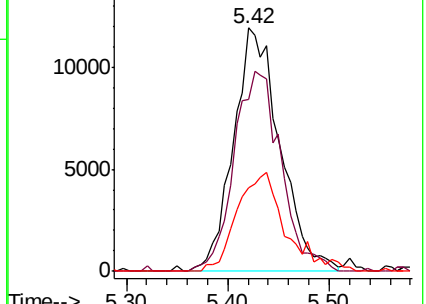
51 42.1 30.5 45.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 84.158 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063982.D

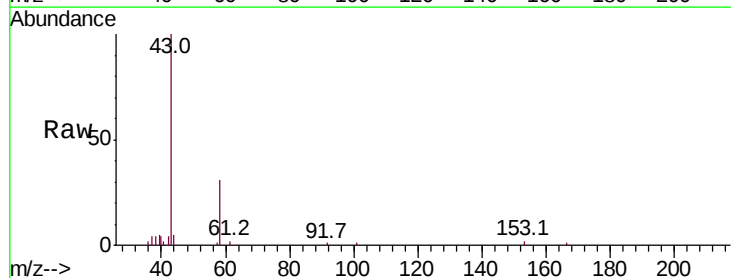
Acq: 16 Oct 2019 12:46

Tgt Ion: 43 Resp: 40303

Ion Ratio Lower Upper

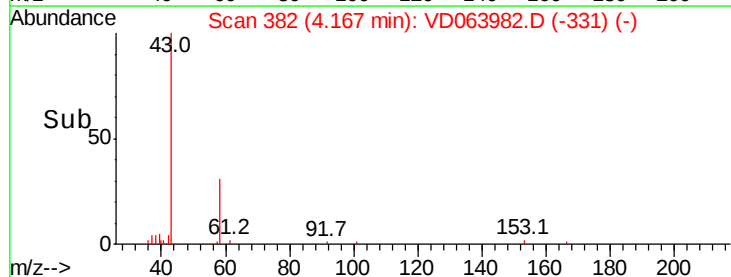
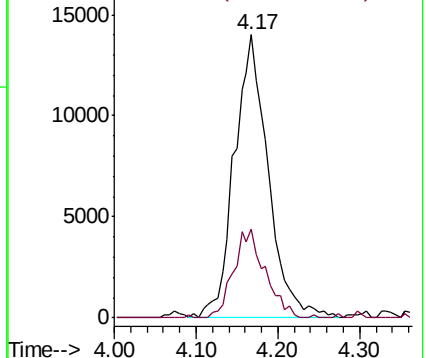
43 100

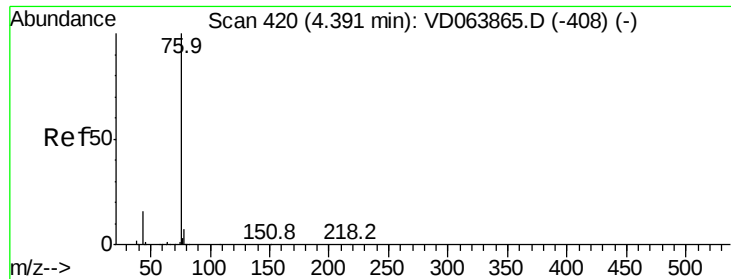
58 30.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

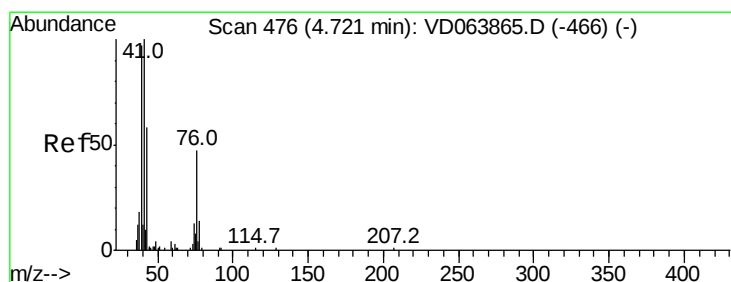
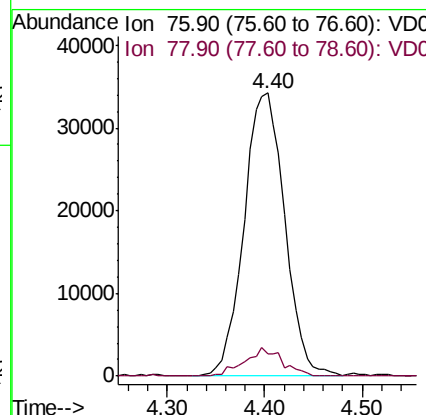
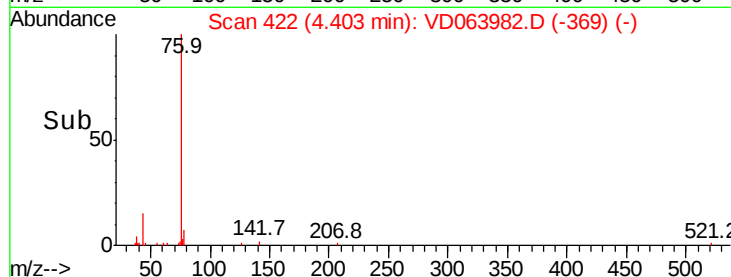
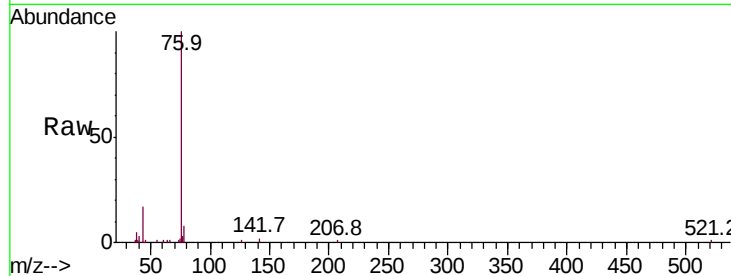




#17
Carbon Disulfide
Concen: 17.363 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

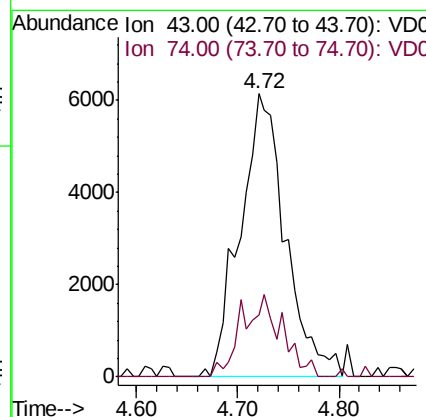
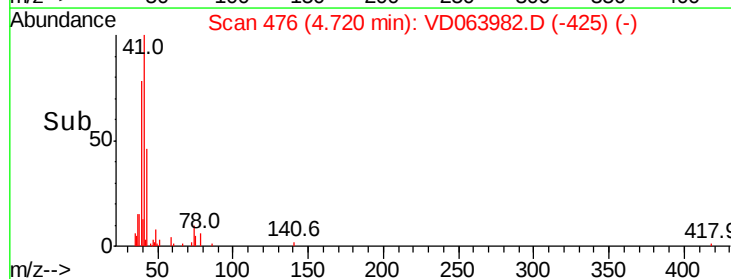
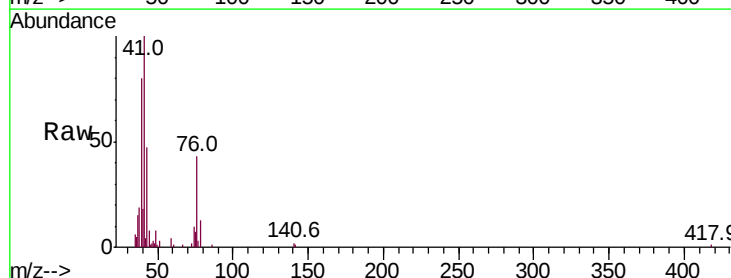
Instrument :
MSVOA_D
ClientSampleId :

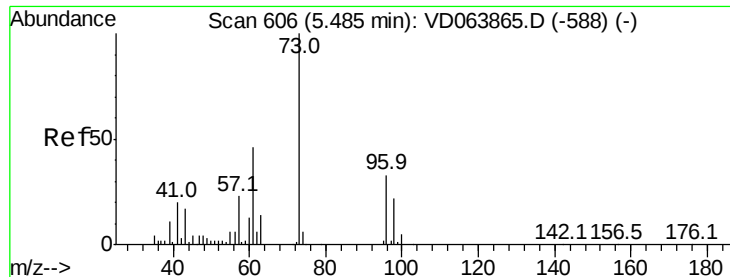
Tot Ion: 76 Resp: 99939
Ion Ratio Lower Upper
76 100
78 8.0 5.8 8.8



#18
Methyl Acetate
Concen: 20.322 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 43 Resp: 19035
Ion Ratio Lower Upper
43 100
74 16.1 20.8 31.2#

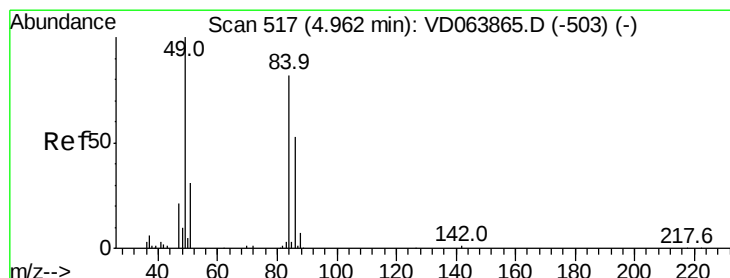
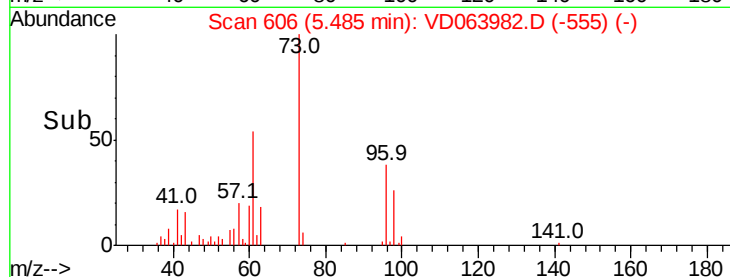
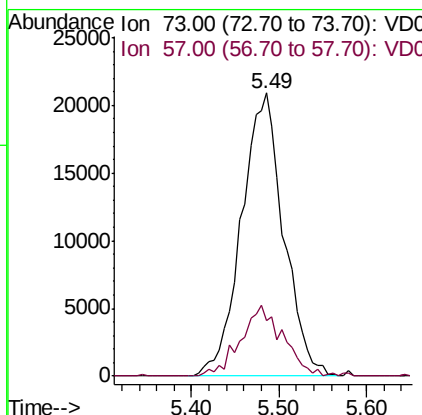
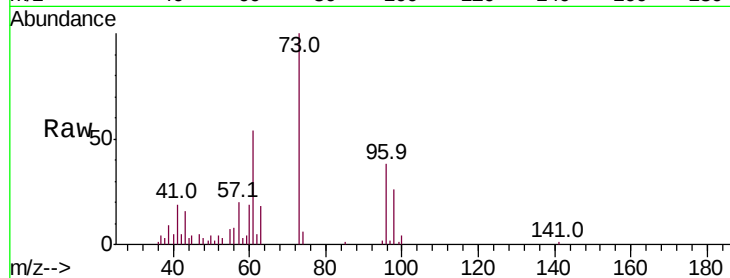




#19
Methyl tert-butyl Ether
Concen: 16.797 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

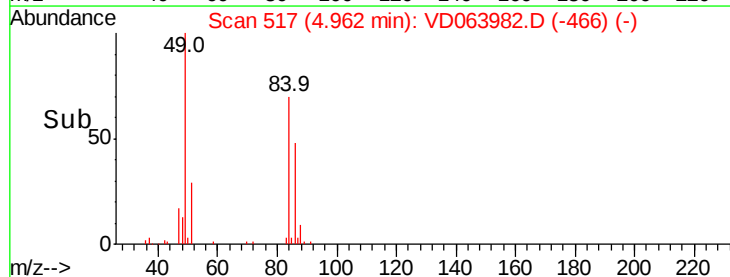
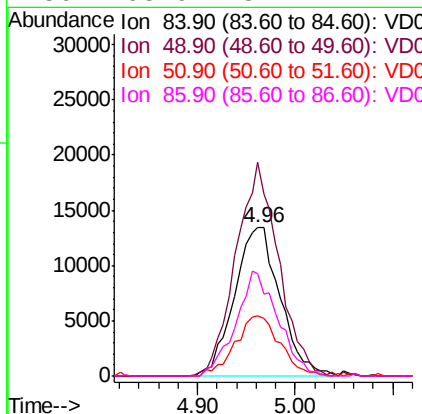
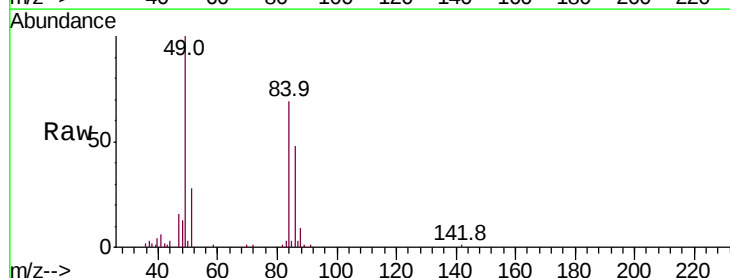
Instrument :
MSVOA_D
ClientSampled :

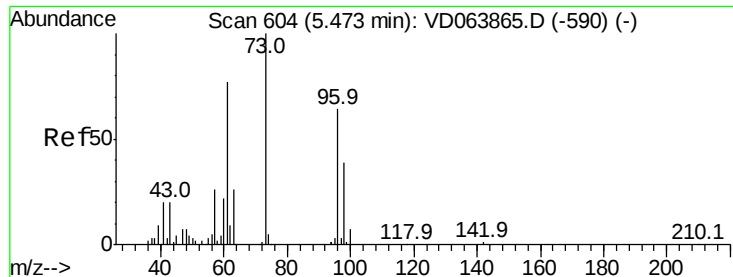
Tot Ion: 73 Resp: 68874
Ion Ratio Lower Upper
73 100
57 19.6 18.1 27.1



#20
Methylene Chloride
Concen: 18.694 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 84 Resp: 43728
Ion Ratio Lower Upper
84 100
49 144.2 97.3 145.9
51 40.8 30.1 45.1
86 68.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.934 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

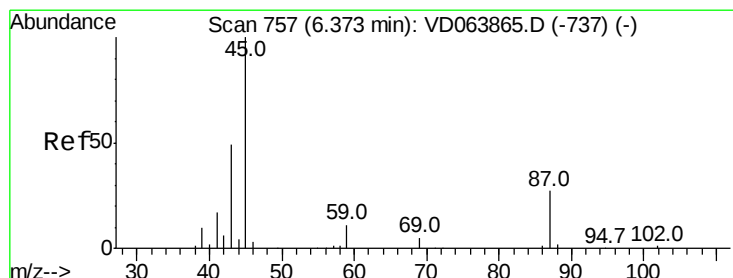
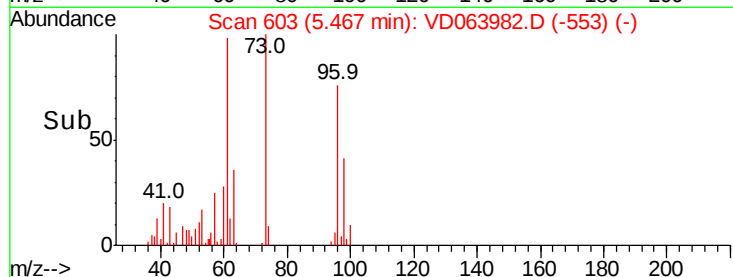
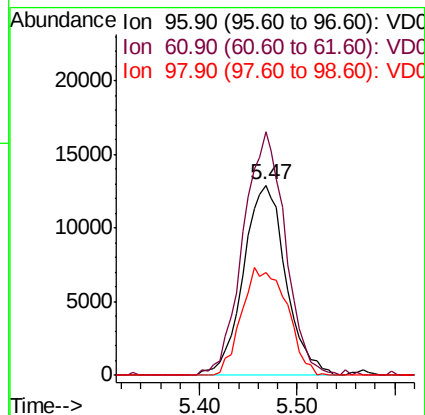
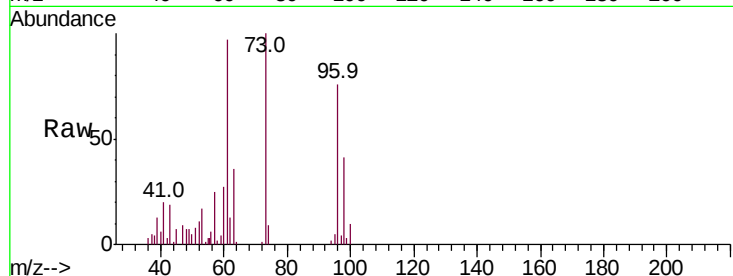
Tot Ion: 96 Resp: 39294

Ion Ratio Lower Upper

96 100

61 128.1 96.6 145.0

98 53.9 48.7 73.1



#22

Diisopropyl ether

Concen: 19.330 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Tgt Ion: 45 Resp: 103925

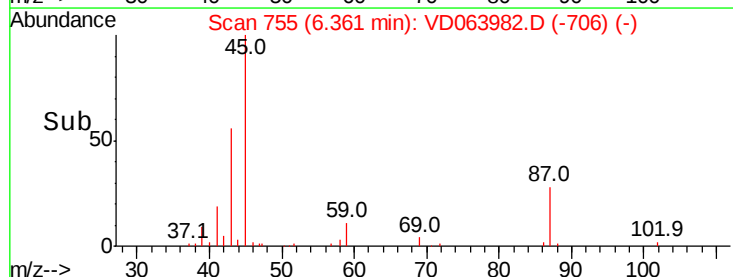
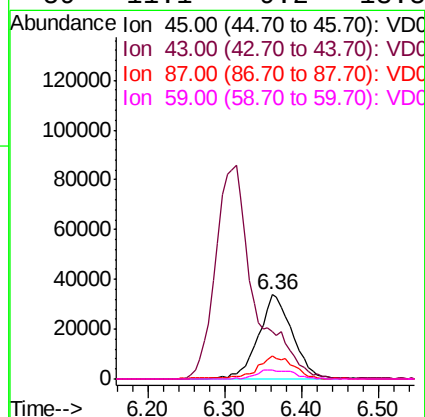
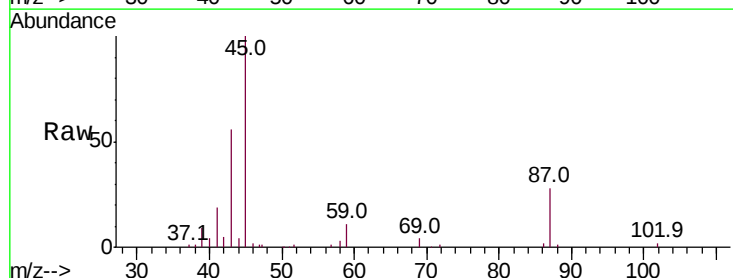
Ion Ratio Lower Upper

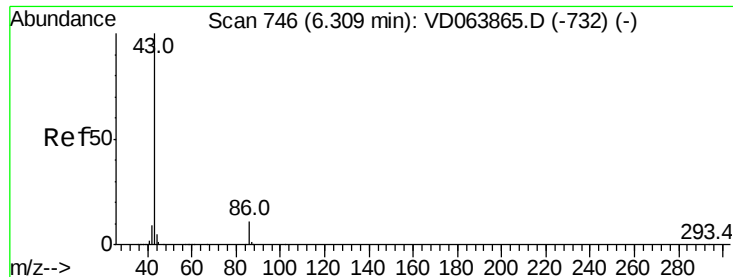
45 100

43 54.8 41.2 61.8

87 27.1 22.2 33.4

59 11.1 9.2 13.8





#23

Vinyl Acetate

Concen: 93.337 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

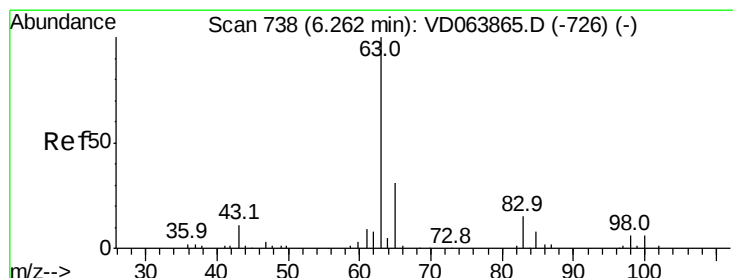
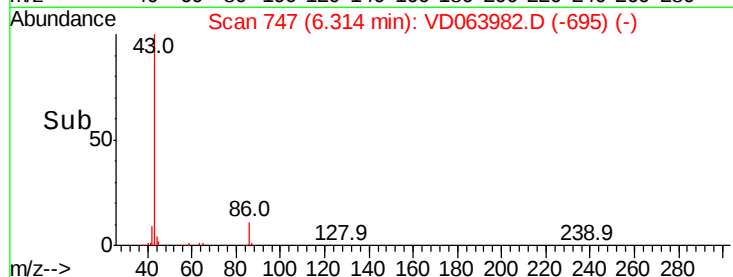
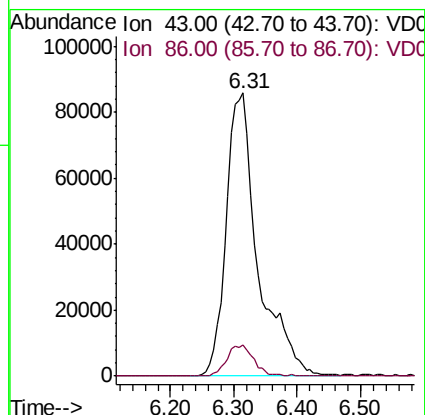
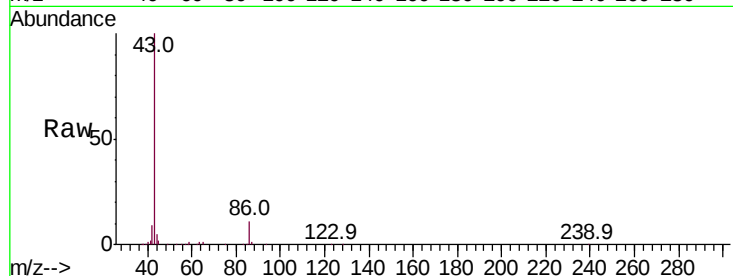
ClientSampleId :

Tot Ion: 43 Resp: 298531

Ion Ratio Lower Upper

43 100

86 11.0 8.8 13.2



#24

1,1-Dichloroethane

Concen: 20.319 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

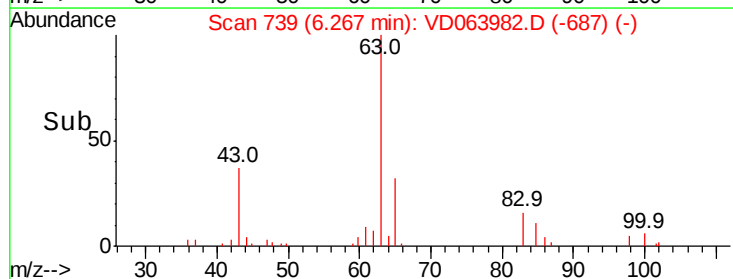
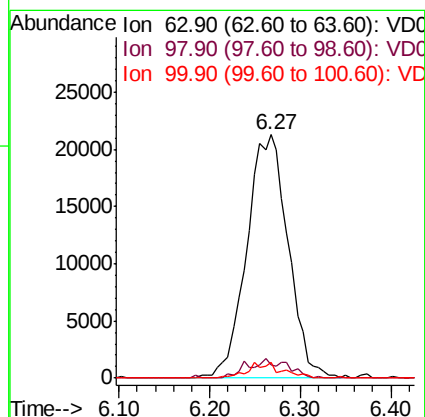
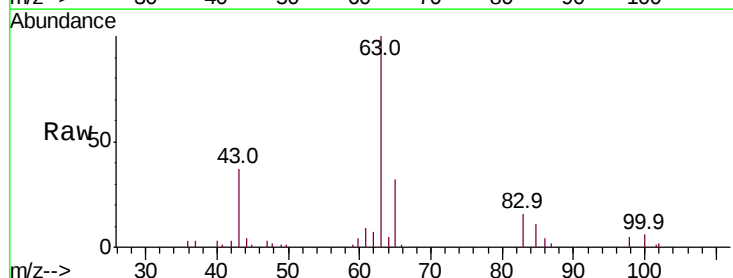
Tgt Ion: 63 Resp: 67290

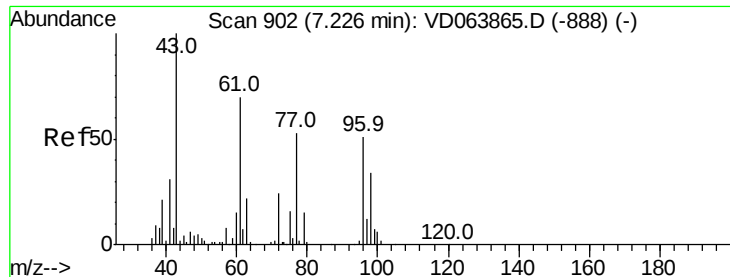
Ion Ratio Lower Upper

63 100

98 5.2 3.1 9.4

100 6.5 3.0 9.2





#25

2-Butanone

Concen: 84.929 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

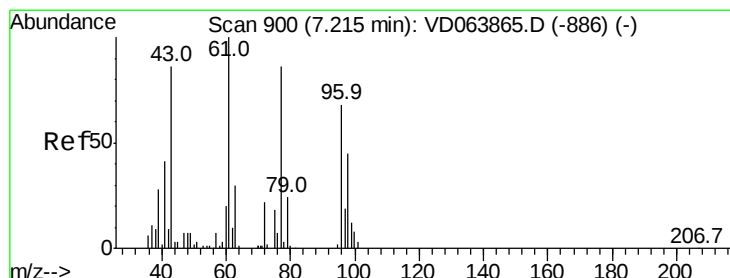
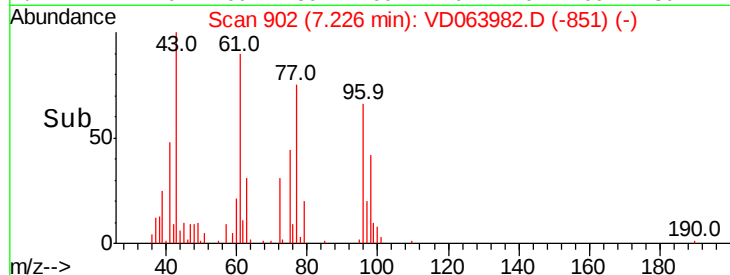
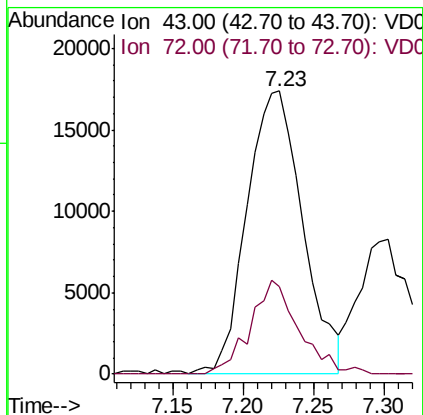
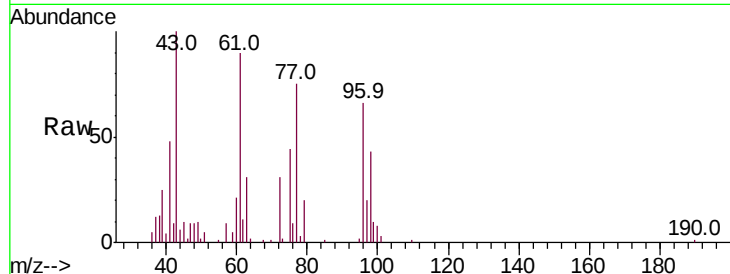
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 48201

Ion Ratio Lower Upper

43 100

72 30.9 19.2 28.8#



#26

2,2-Dichloropropane

Concen: 19.693 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063982.D

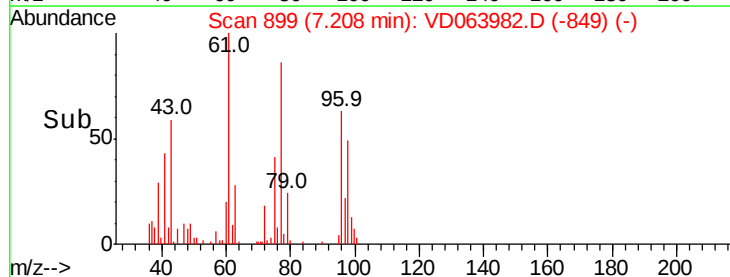
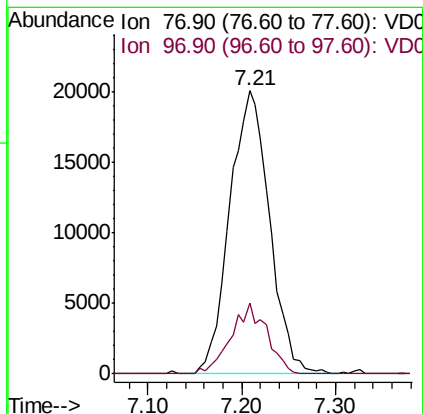
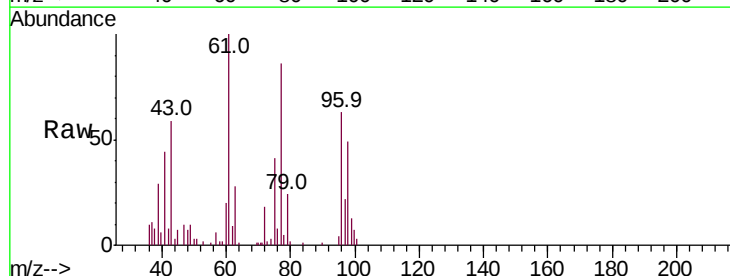
Acq: 16 Oct 2019 12:46

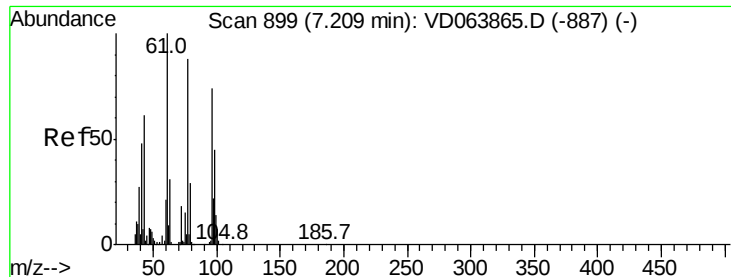
Tgt Ion: 77 Resp: 58994

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.1



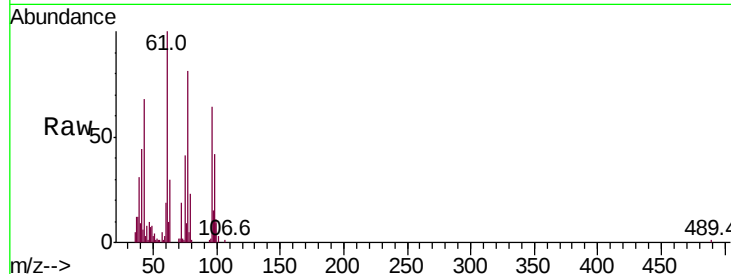


#27

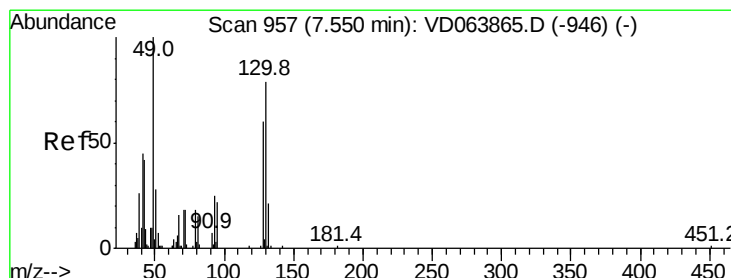
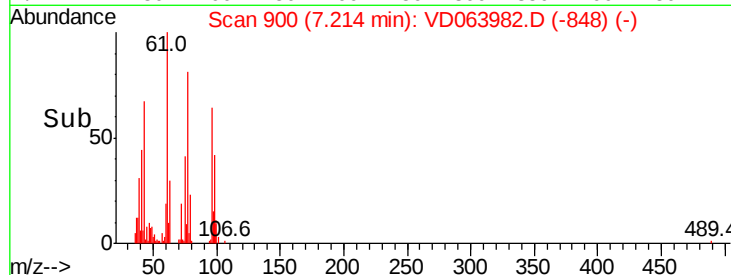
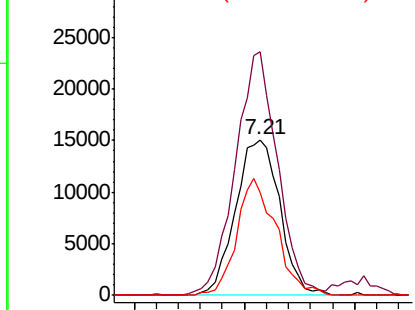
cis-1,2-Dichloroethene
 Concen: 19.065 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 42537
 Ion Ratio Lower Upper
 96 100
 61 148.4 0.0 280.0
 98 66.5 0.0 130.4



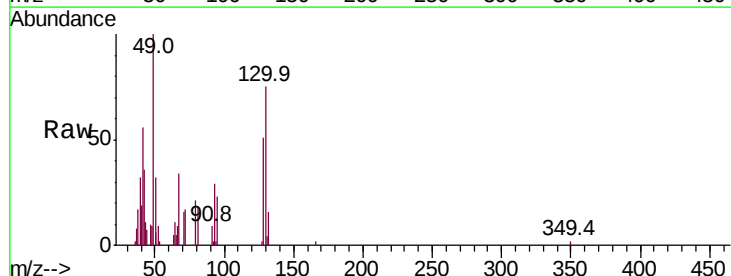
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



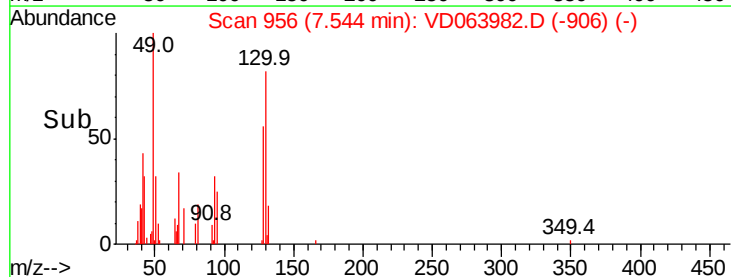
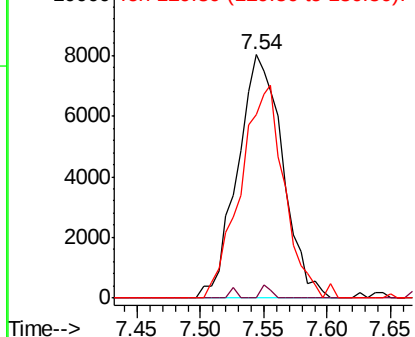
#28

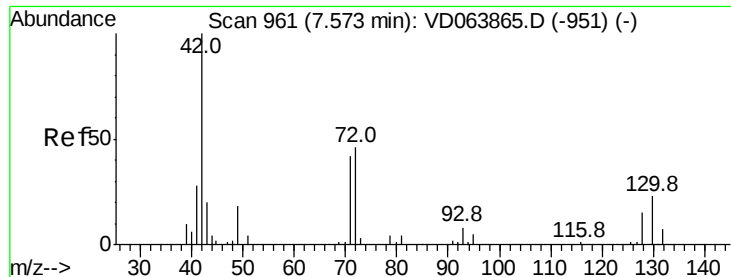
Bromochloromethane
 Concen: 17.054 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

Tgt Ion: 49 Resp: 19866
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 5.6
 130 85.3 66.8 100.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

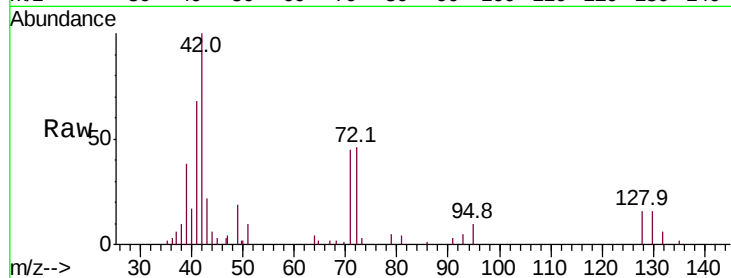




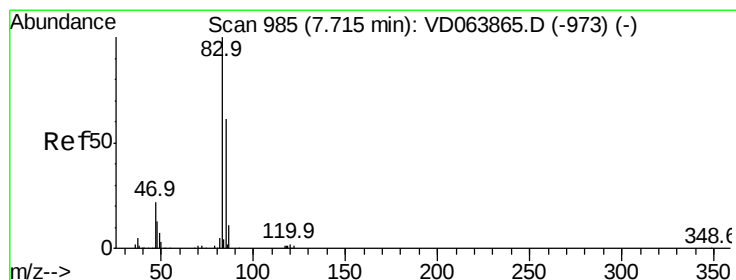
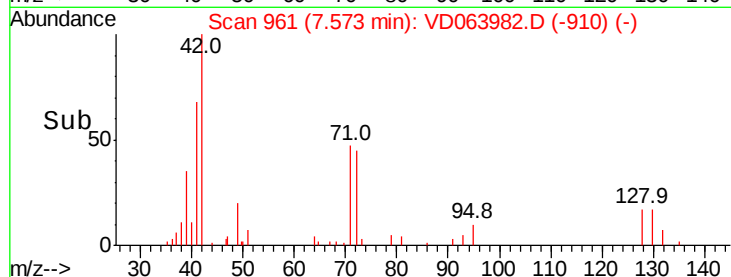
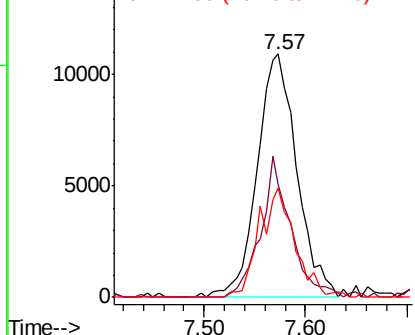
#29
Tetrahydrofuran
Concen: 89.849 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 42 Resp: 29764
Ion Ratio Lower Upper
42 100
72 43.6 37.6 56.4
71 40.9 35.0 52.6

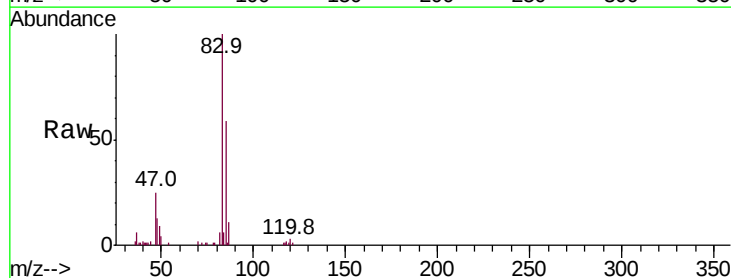


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

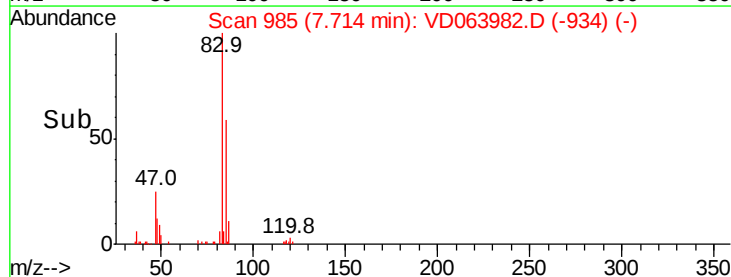
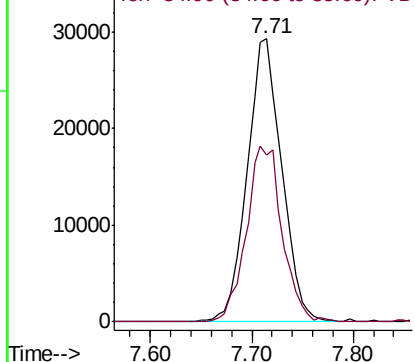


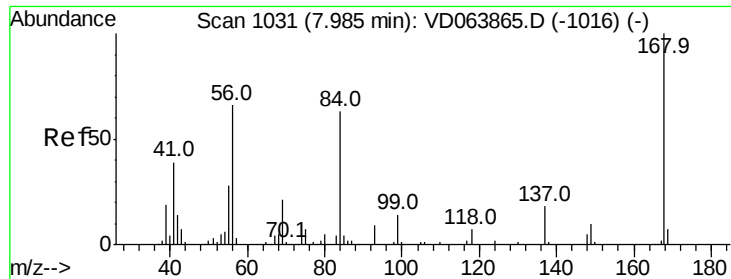
#30
Chloroform
Concen: 19.245 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 83 Resp: 69223
Ion Ratio Lower Upper
83 100
85 59.0 48.9 73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

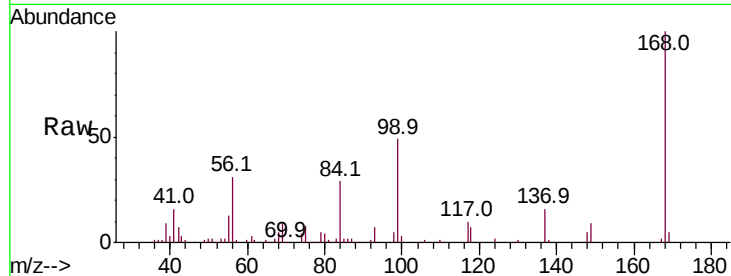




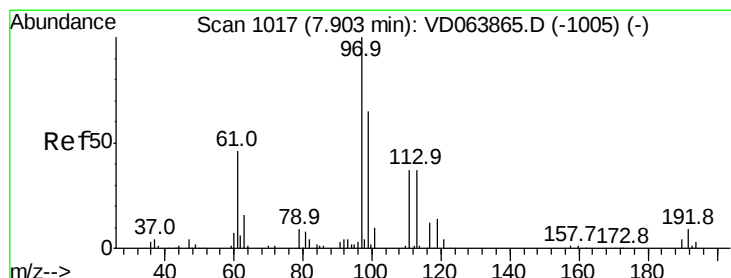
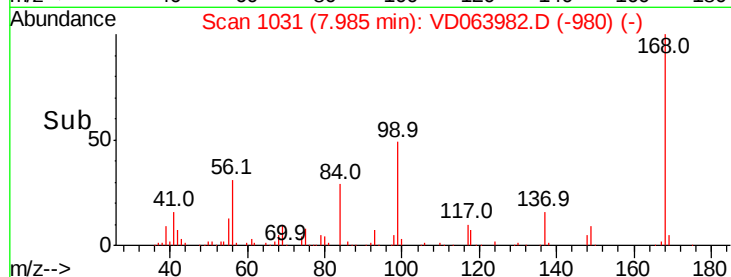
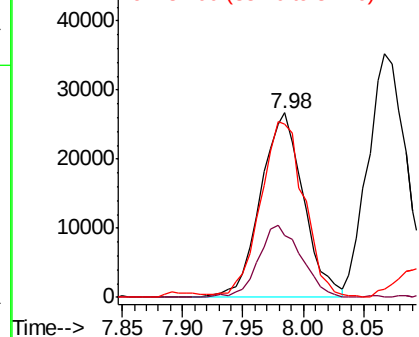
#31
Cyclohexane
Concen: 21.946 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 66221
Ion Ratio Lower Upper
56 100
69 33.4 25.0 37.4
84 92.1 76.3 114.5

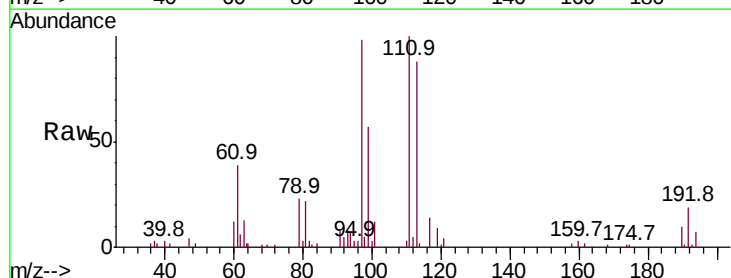


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

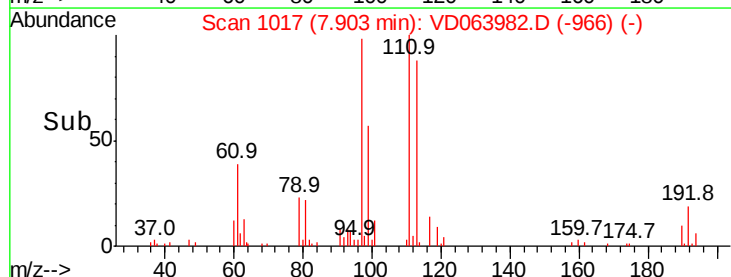
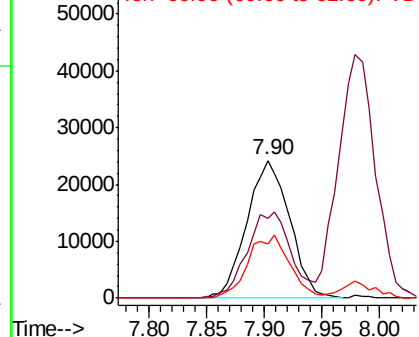


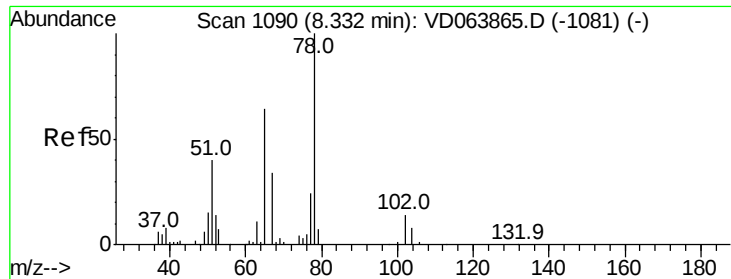
#32
1,1,1-Trichloroethane
Concen: 20.251 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 97 Resp: 62485
Ion Ratio Lower Upper
97 100
99 64.6 52.4 78.6
61 44.2 33.8 50.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 47.986 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

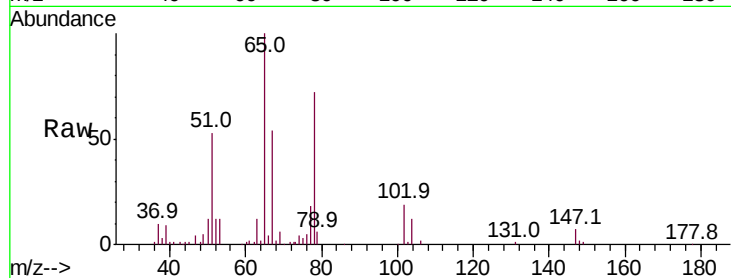
ClientSampleId :

Tot Ion: 65 Resp: 88267

Ion Ratio Lower Upper

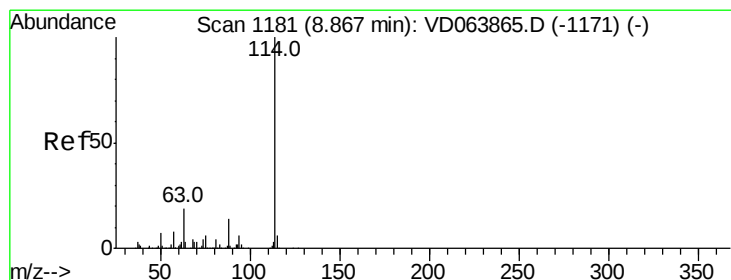
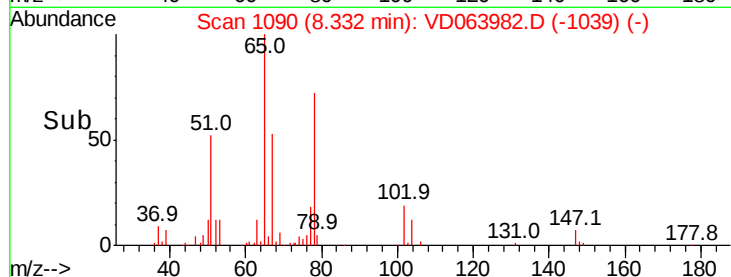
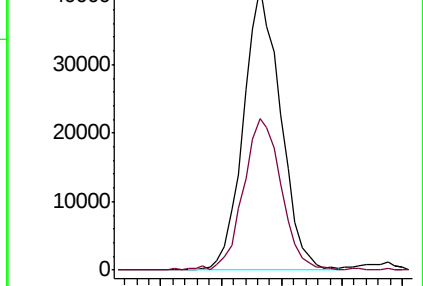
65 100

67 54.8 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

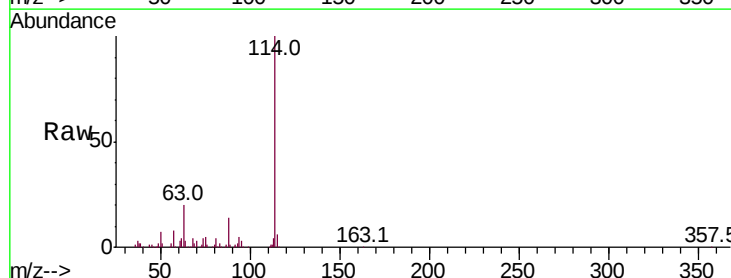
Tgt Ion:114 Resp: 295712

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

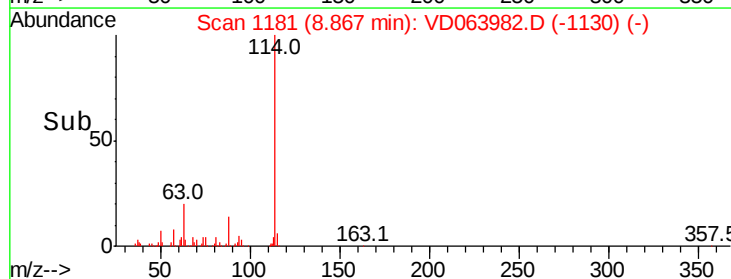
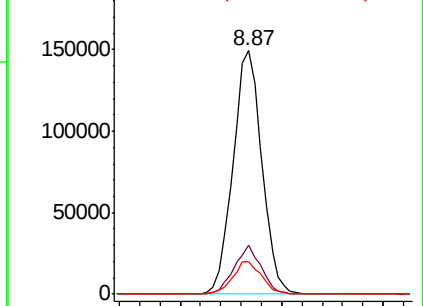
88 13.6 0.0 27.4

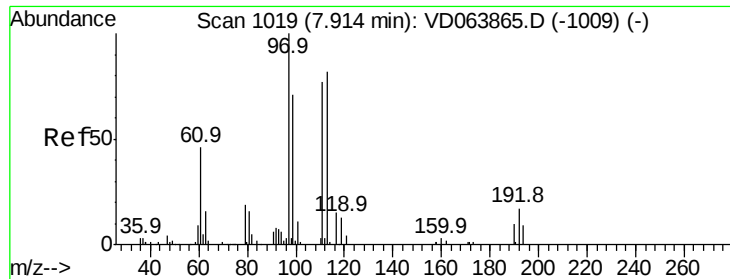


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

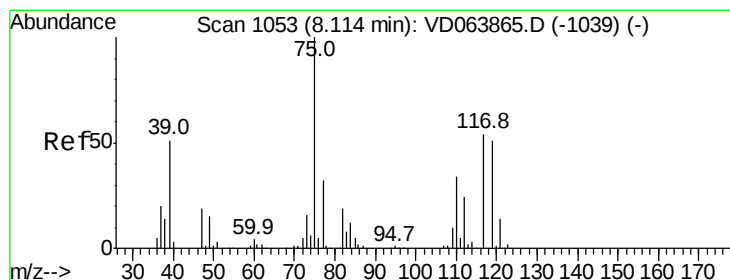
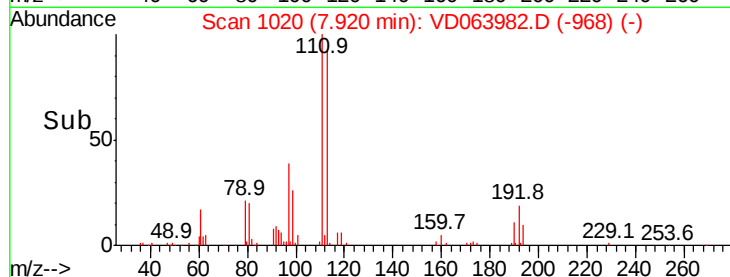
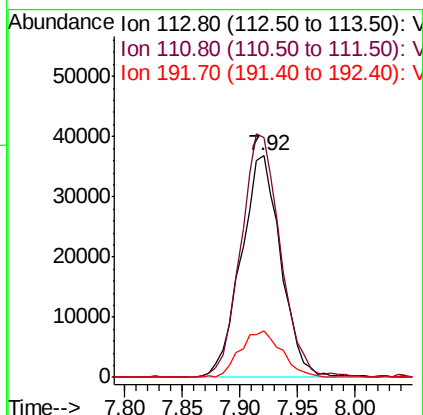
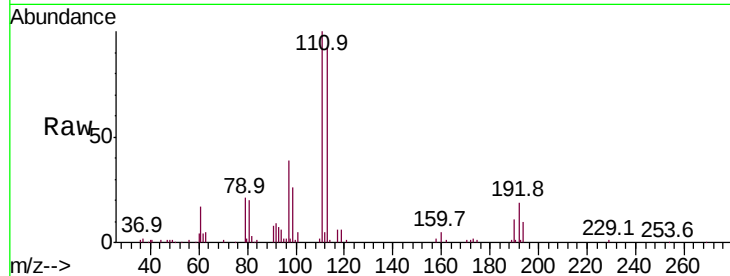




#35
Dibromofluoromethane
Concen: 48.648 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

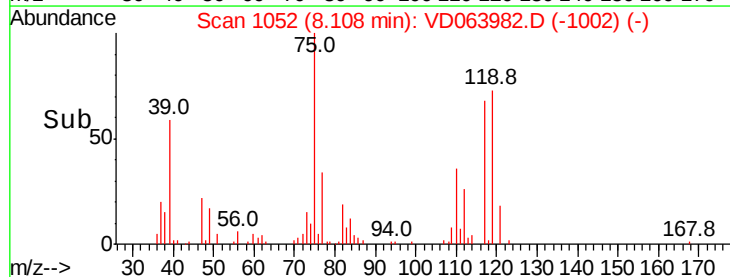
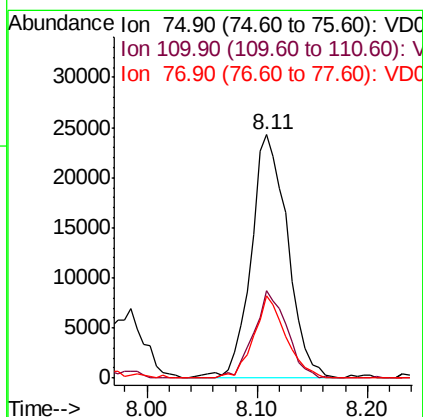
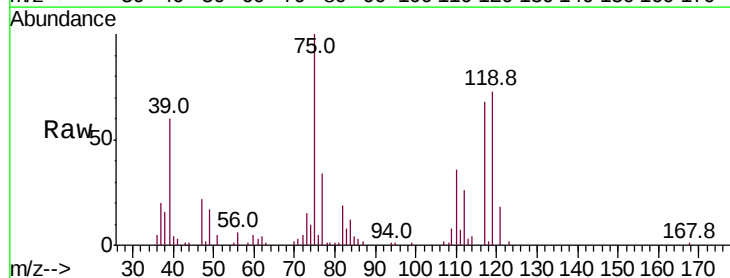
Instrument :
MSVOA_D
ClientSampled :

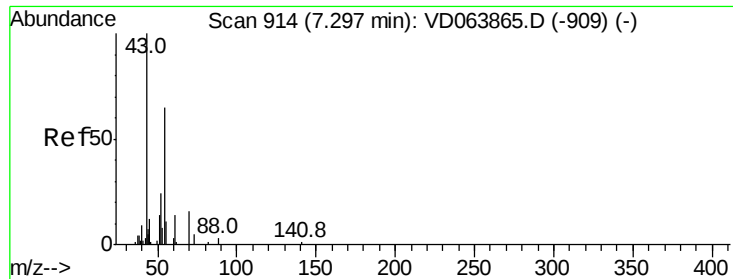
Tot Ion:113 Resp: 87916
Ion Ratio Lower Upper
113 100
111 109.8 82.6 123.8
192 21.9 17.1 25.7



#36
1,1-Dichloropropene
Concen: 20.743 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 75 Resp: 56083
Ion Ratio Lower Upper
75 100
110 32.7 17.4 52.3
77 29.7 25.4 38.0

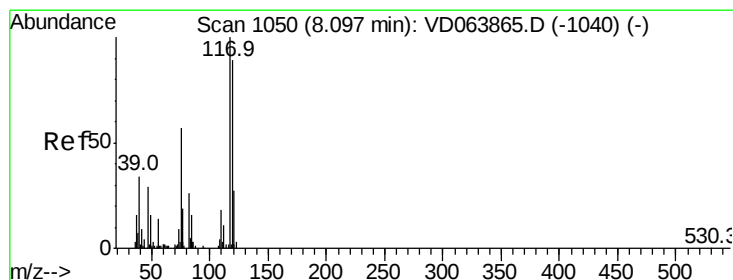
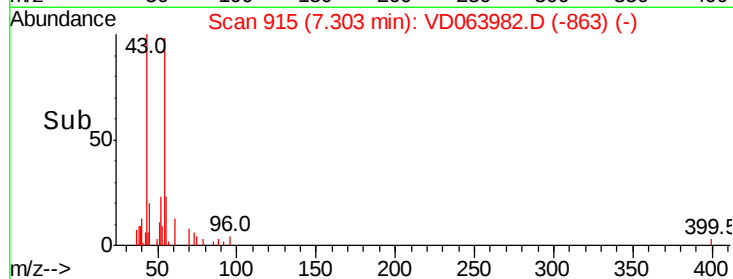
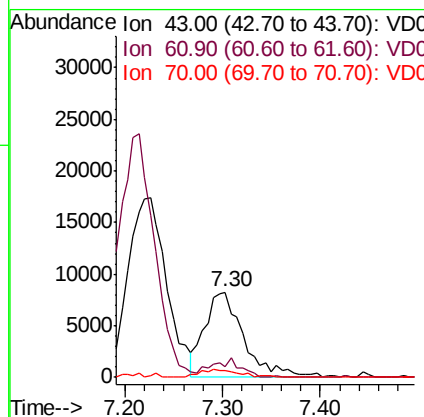
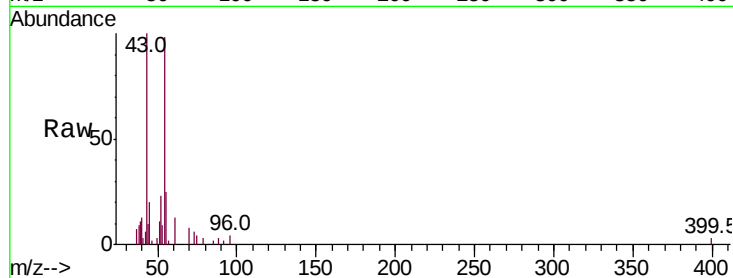




#37
Ethyl Acetate
Concen: 18.757 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

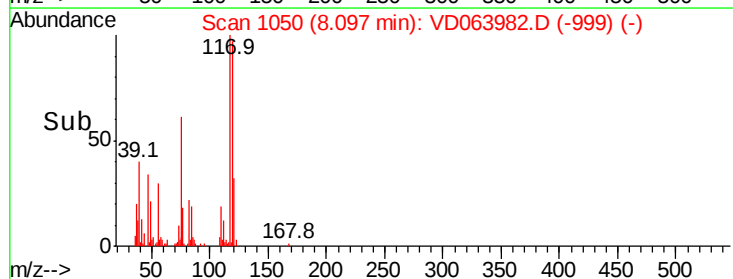
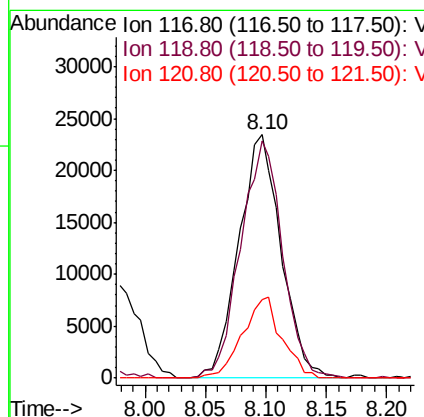
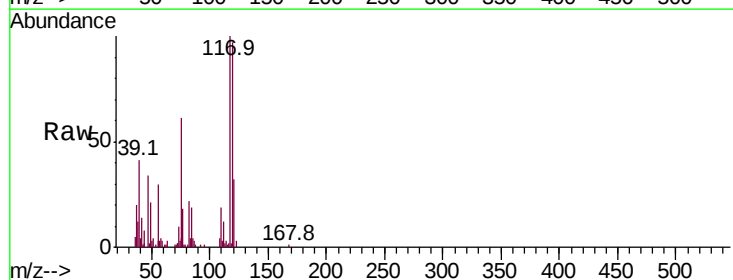
Instrument :
MSVOA_D
ClientSampleId :

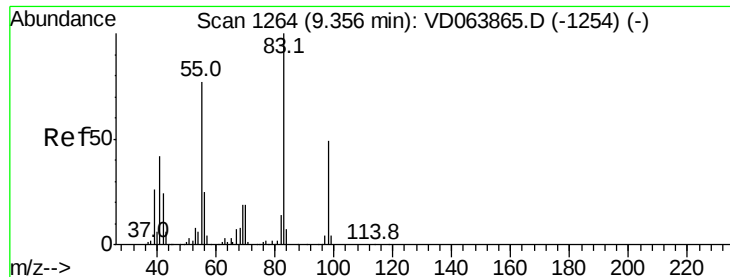
Tot Ion: 43 Resp: 23038
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 8.5 8.2 12.4



#38
Carbon Tetrachloride
Concen: 20.880 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 117 Resp: 57049
Ion Ratio Lower Upper
117 100
119 97.3 70.8 106.2
121 32.2 21.4 32.0#

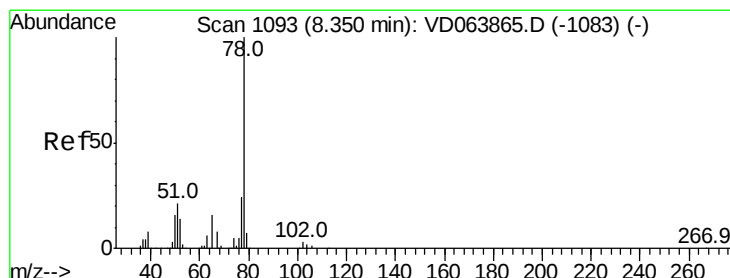
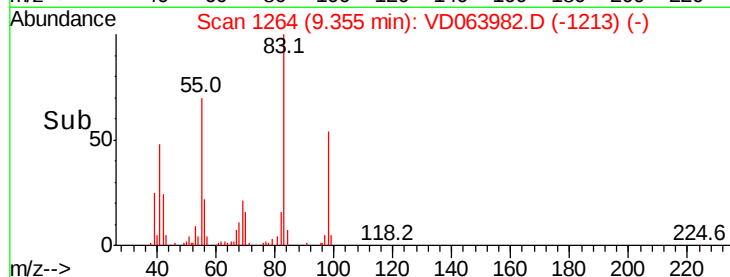
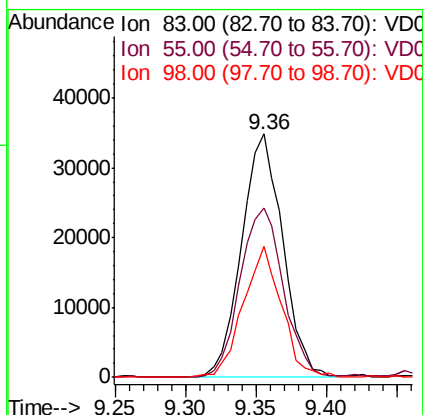
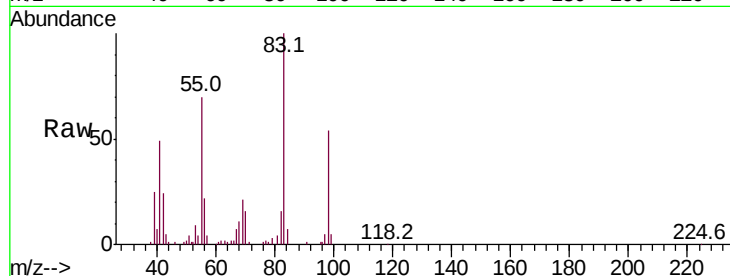




#39
Methvlcvclohexane
Concen: 21.433 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

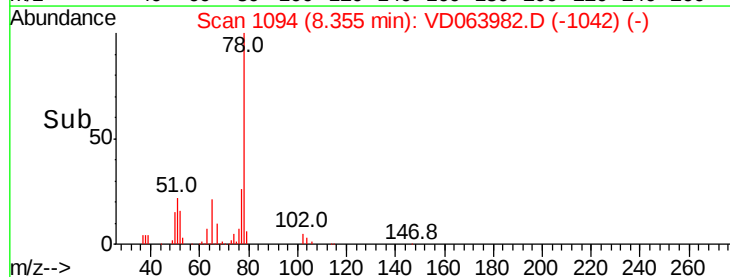
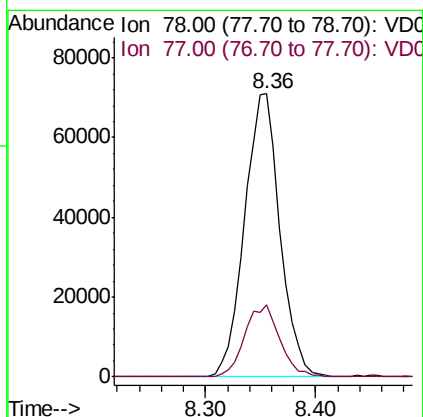
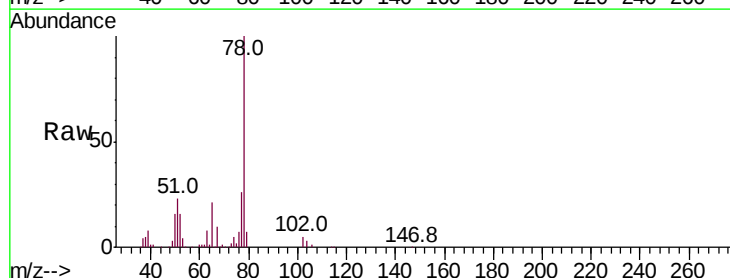
Instrument :
MSVOA_D
ClientSampleId :

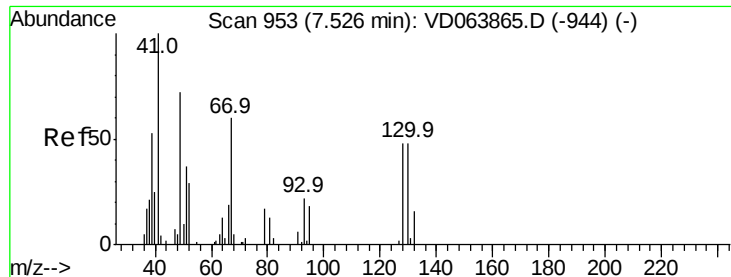
Tot Ion: 83 Resp: 71253
Ion Ratio Lower Upper
83 100
55 69.6 61.3 91.9
98 53.6 39.3 58.9



#40
Benzene
Concen: 20.646 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 78 Resp: 159966
Ion Ratio Lower Upper
78 100
77 25.7 19.0 28.6

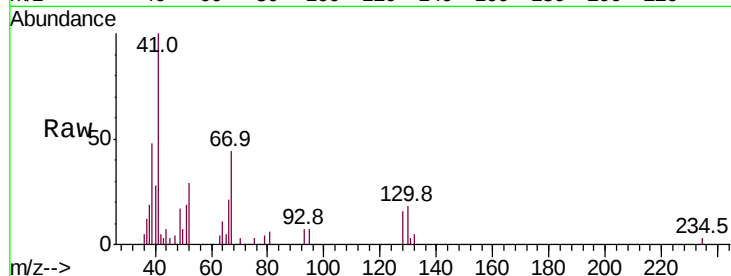




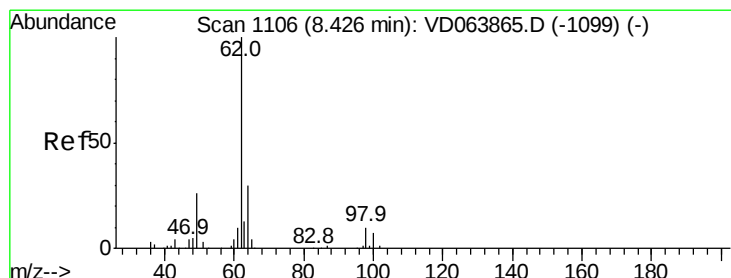
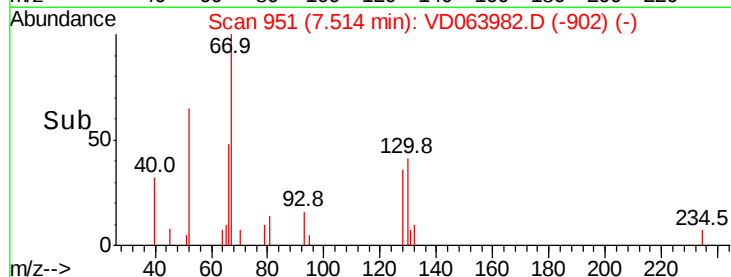
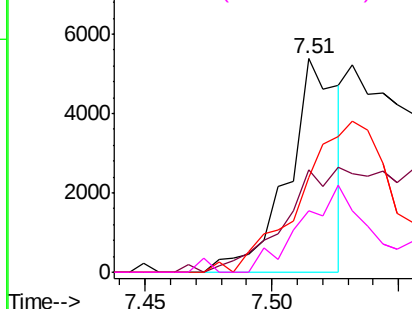
#41
Methacrylonitrile
Concen: 11.870 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 41 Resp: 7441
Ion Ratio Lower Upper
41 100
39 79.7 52.6 78.8#
67 131.9 74.2 111.2#
52 60.6 34.0 51.0#

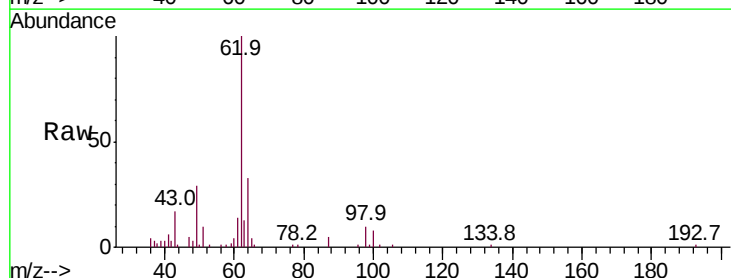


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

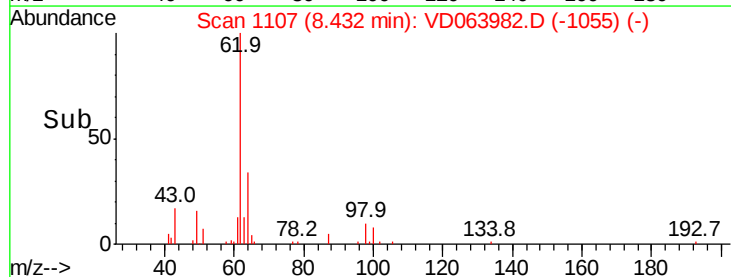
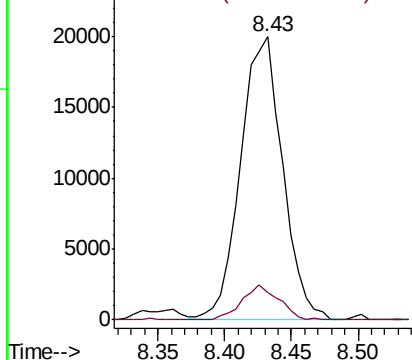


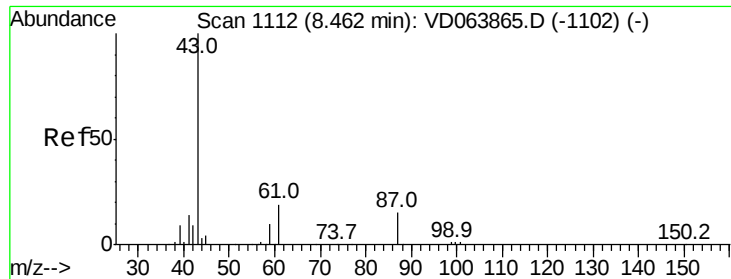
#42
1,2-Dichloroethane
Concen: 19.476 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 62 Resp: 43652
Ion Ratio Lower Upper
62 100
98 10.8 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.770 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

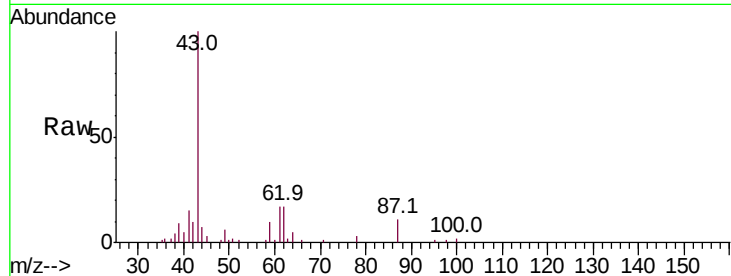
Tot Ion: 43 Resp: 40292

Ion Ratio Lower Upper

43 100

61 32.6 25.7 38.5

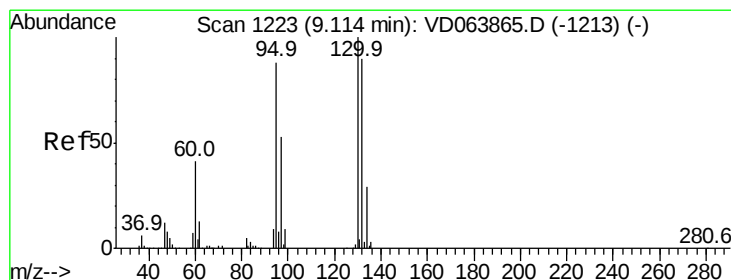
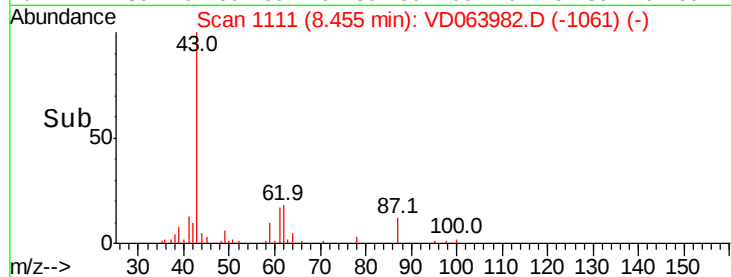
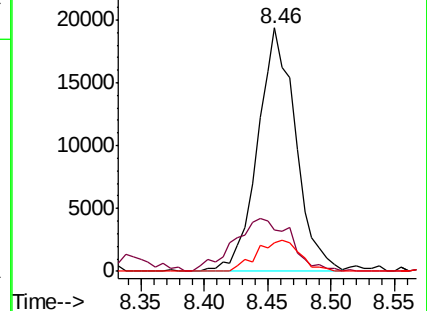
87 14.6 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.056 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063982.D

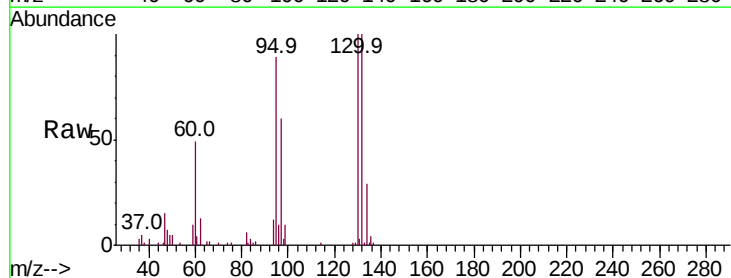
Acq: 16 Oct 2019 12:46

Tgt Ion:130 Resp: 47044

Ion Ratio Lower Upper

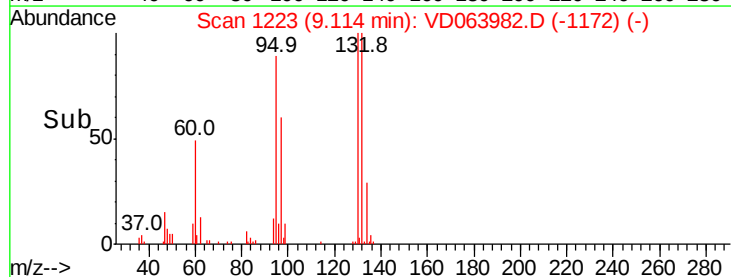
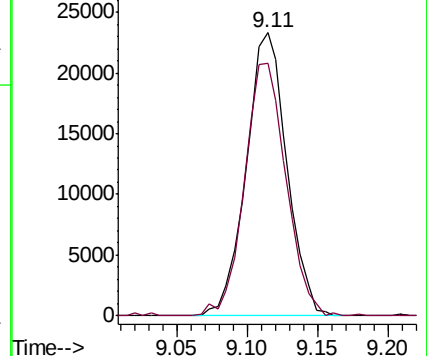
130 100

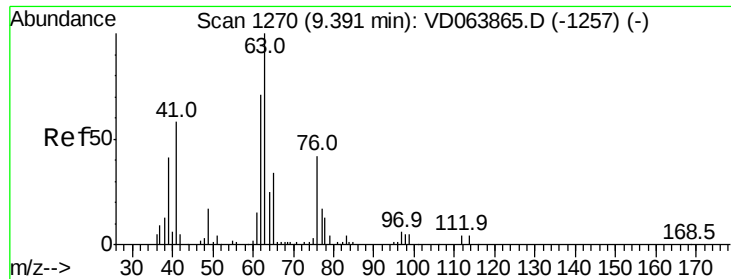
95 89.3 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.640 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

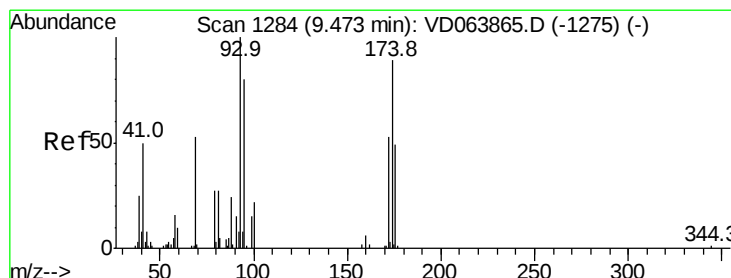
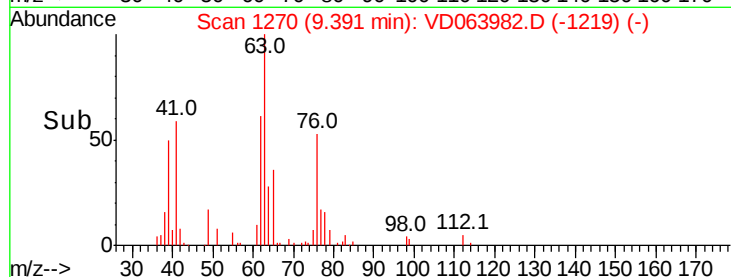
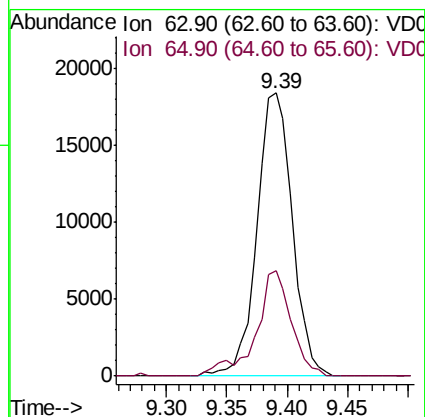
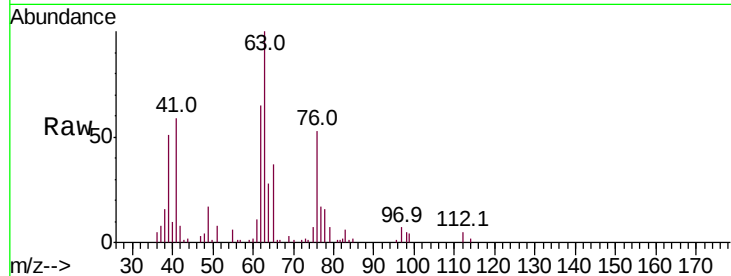
ClientSampleId :

Tot Ion: 63 Resp: 37248

Ion Ratio Lower Upper

63 100

65 37.1 27.3 40.9



#46

Dibromomethane

Concen: 19.719 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

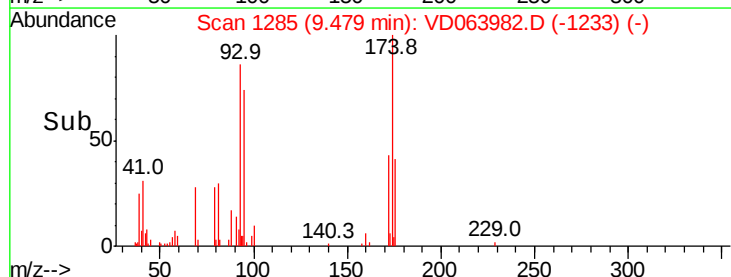
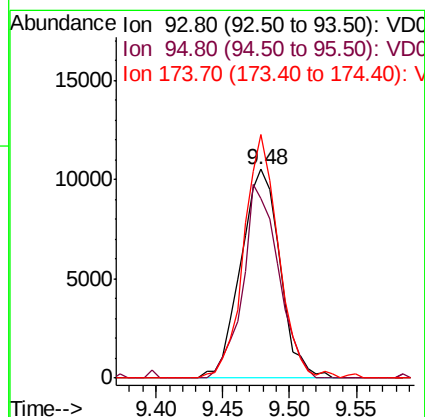
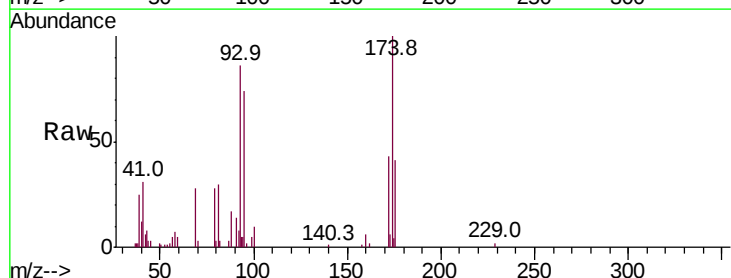
Tgt Ion: 93 Resp: 21298

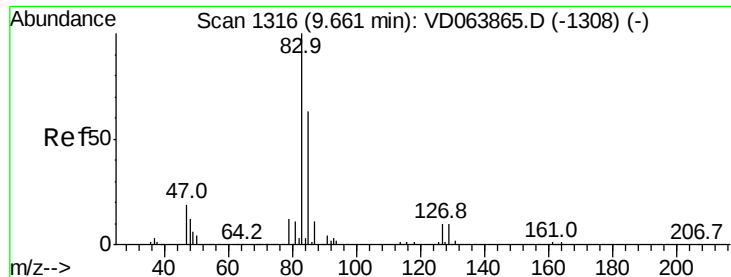
Ion Ratio Lower Upper

93 100

95 84.7 66.0 99.0

174 103.1 83.4 125.0





#47

Bromodichloromethane

Concen: 19.555 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :

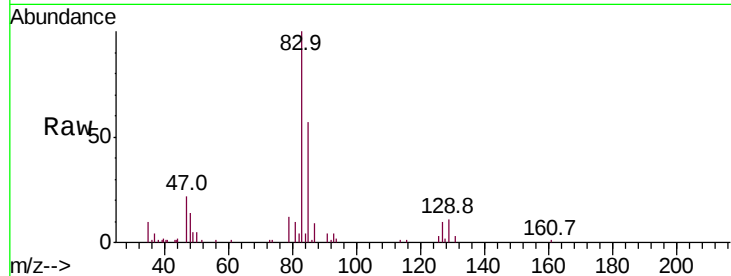
Tot Ion: 83 Resp: 54378

Ion Ratio Lower Upper

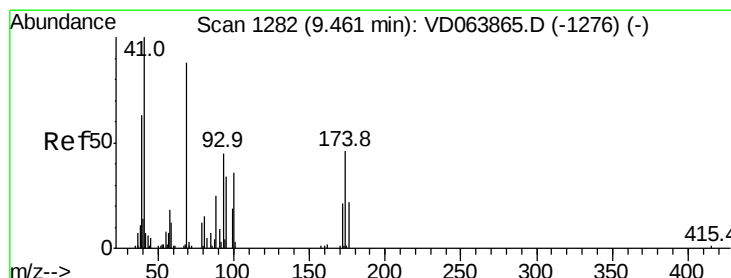
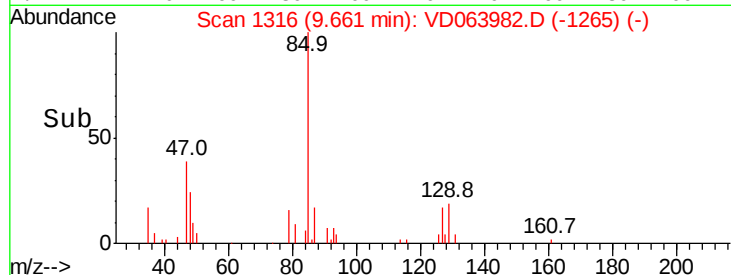
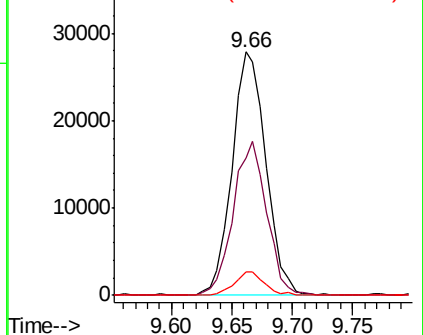
83 100

85 56.6 50.2 75.2

127 9.6 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.068 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

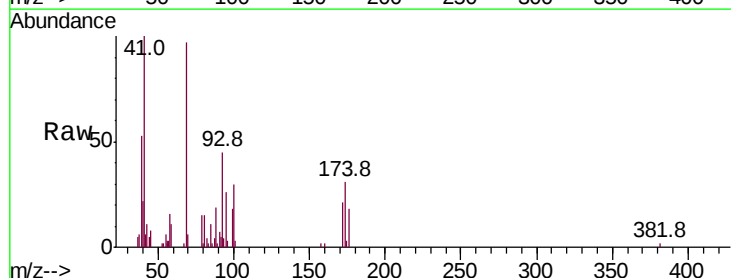
Tgt Ion: 41 Resp: 20716

Ion Ratio Lower Upper

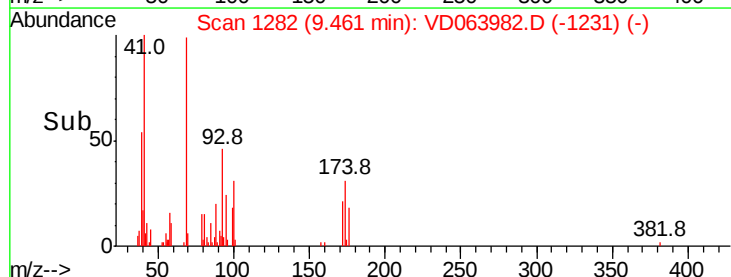
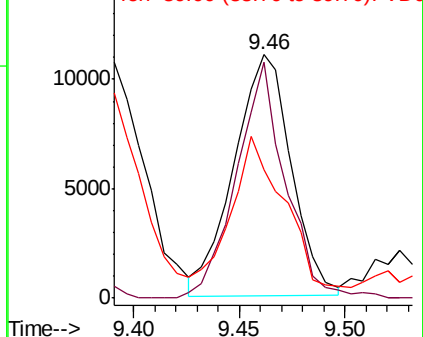
41 100

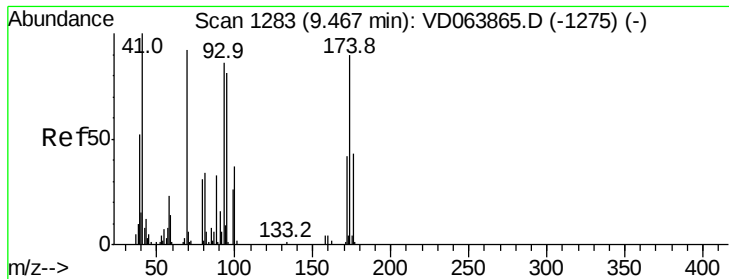
69 84.2 75.1 112.7

39 55.8 50.2 75.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

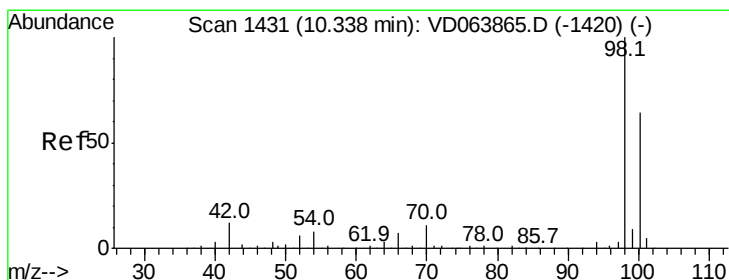
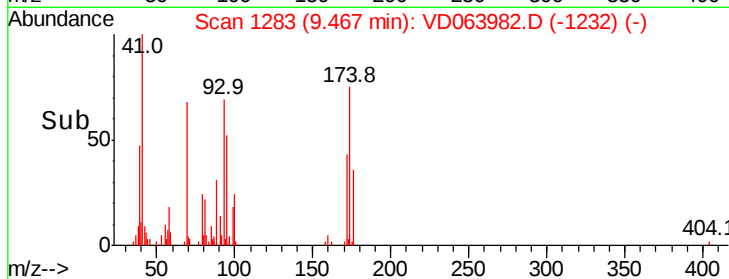
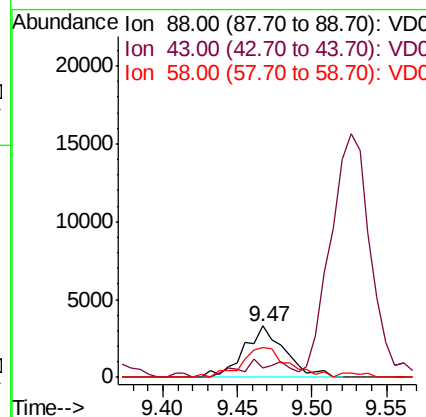
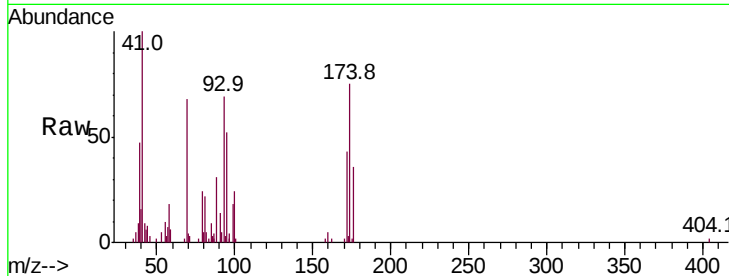




#49
1,4-Dioxane
Concen: 421.219 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

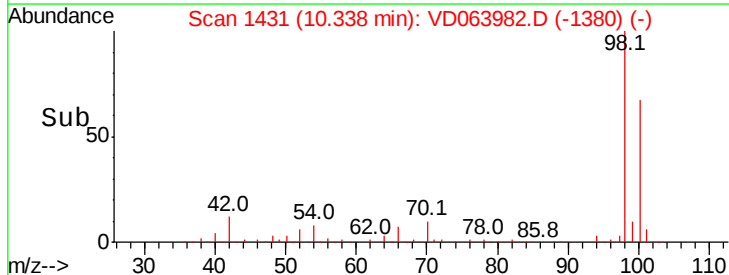
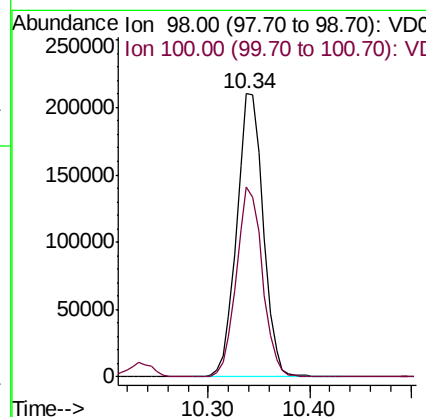
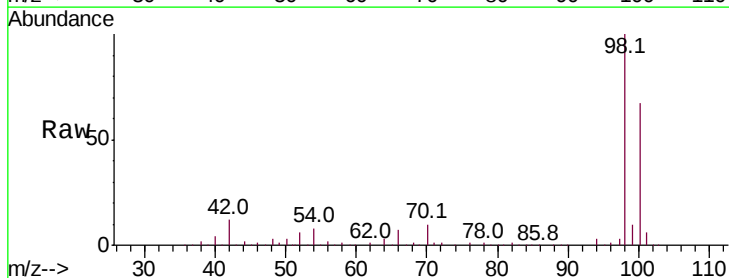
Instrument :
MSVOA_D
ClientSampleId :

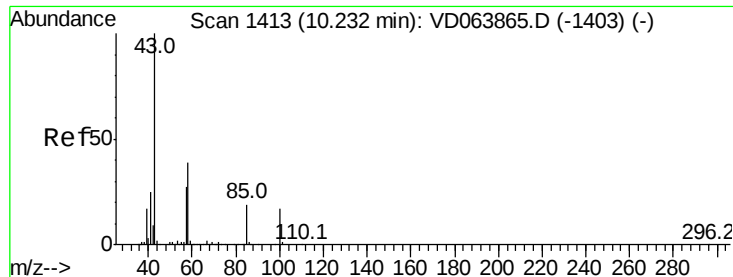
Tot Ion: 88 Resp: 6210
Ion Ratio Lower Upper
88 100
43 35.9 27.6 41.4
58 65.3 54.1 81.1



#50
Toluene-d8
Concen: 52.190 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 98 Resp: 382820
Ion Ratio Lower Upper
98 100
100 66.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 93.333 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

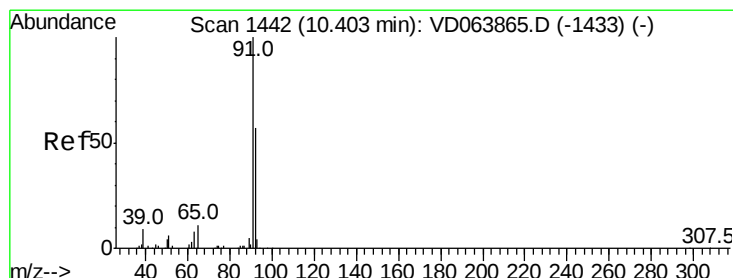
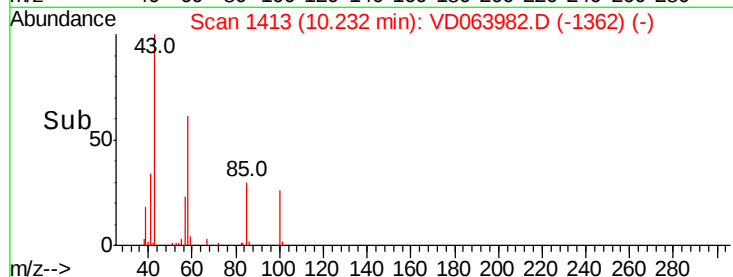
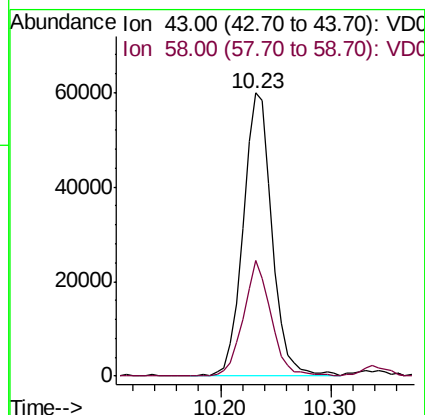
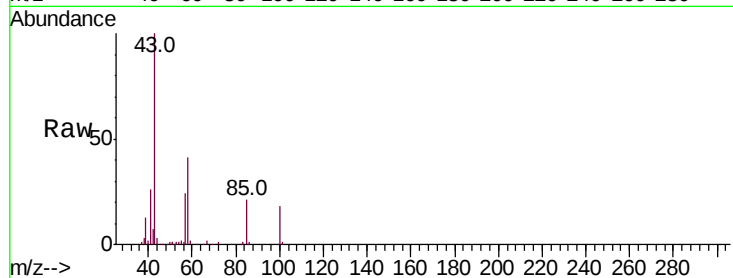
ClientSampleId :

Tot Ion: 43 Resp: 109756

Ion Ratio Lower Upper

43 100

58 39.0 33.0 49.4



#52

Toluene

Concen: 20.417 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063982.D

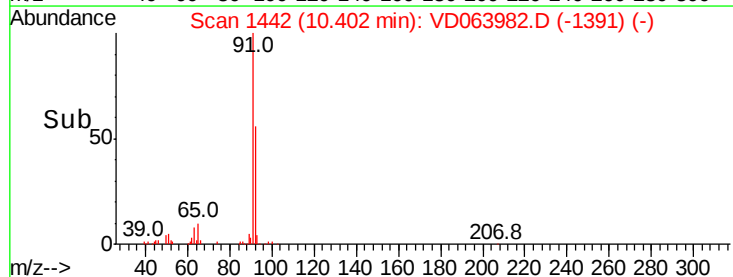
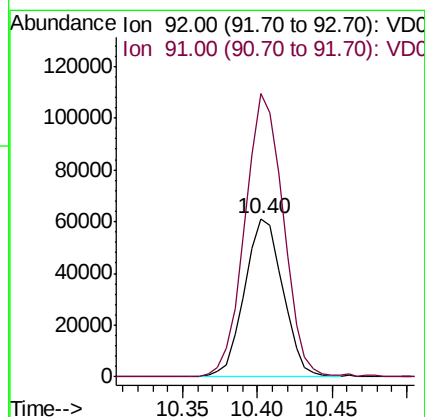
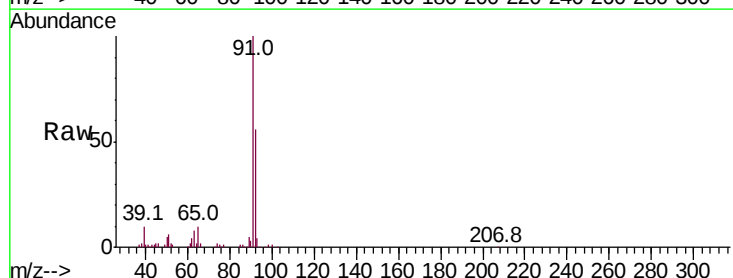
Acq: 16 Oct 2019 12:46

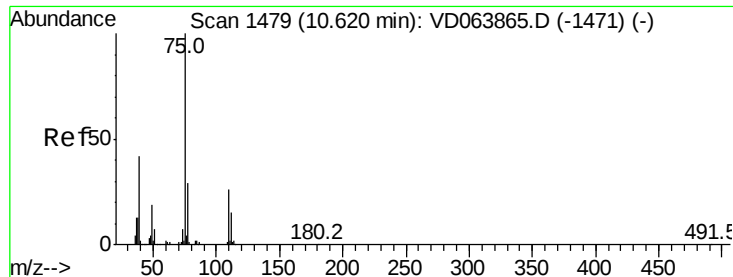
Tgt Ion: 92 Resp: 108600

Ion Ratio Lower Upper

92 100

91 180.3 139.5 209.3

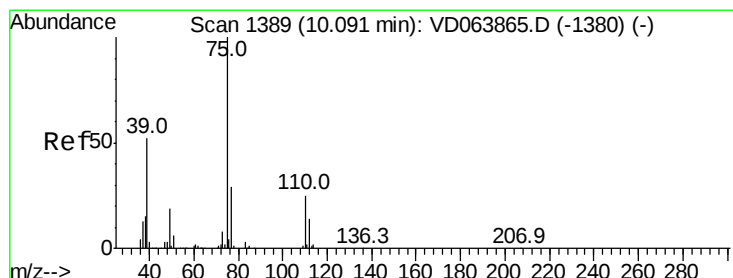
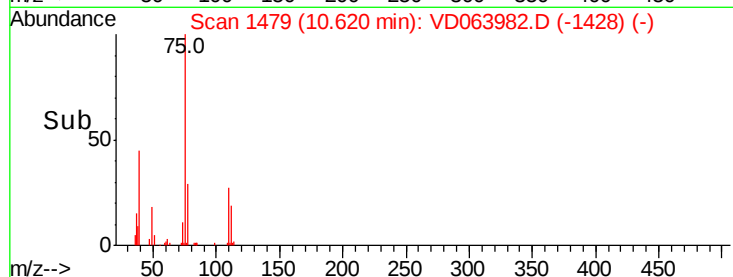
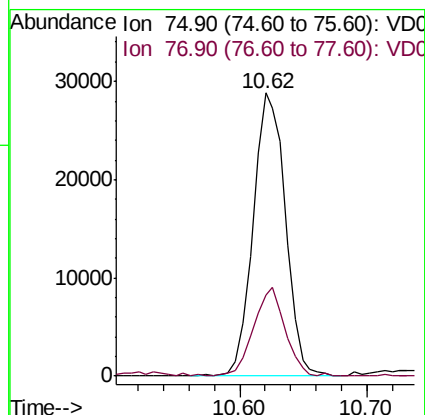
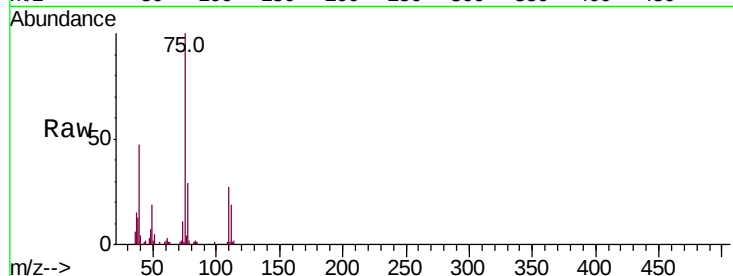




#53
 t-1,3-Dichloropropene
 Concen: 18.832 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

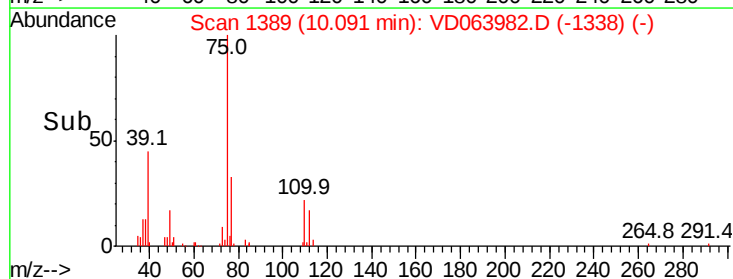
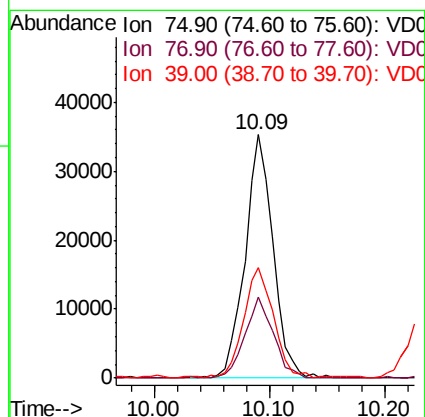
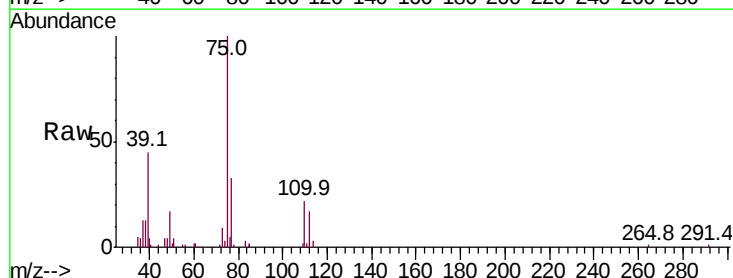
Instrument :
 MSVOA_D
 ClientSampleId :

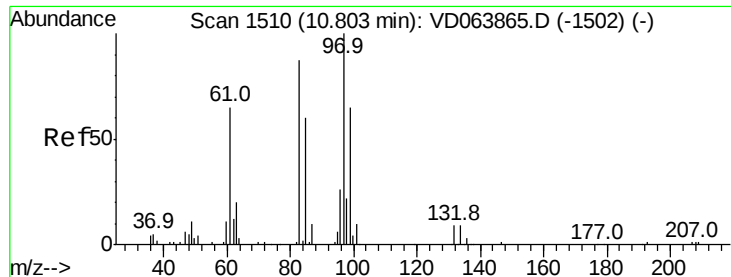
Tot Ion: 75 Resp: 51100
 Ion Ratio Lower Upper
 75 100
 77 28.9 22.8 34.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.031 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

Tgt Ion: 75 Resp: 59445
 Ion Ratio Lower Upper
 75 100
 77 33.2 23.2 34.8
 39 44.7 41.5 62.3

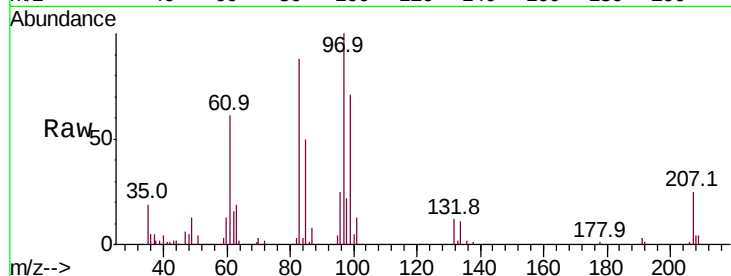




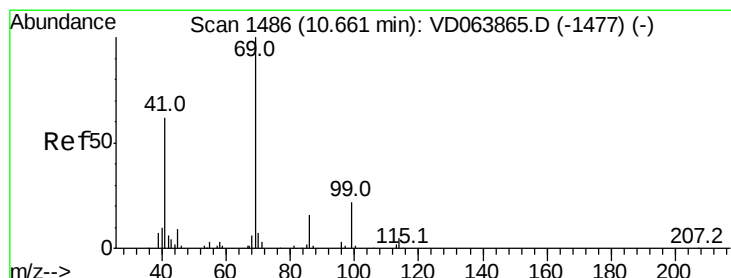
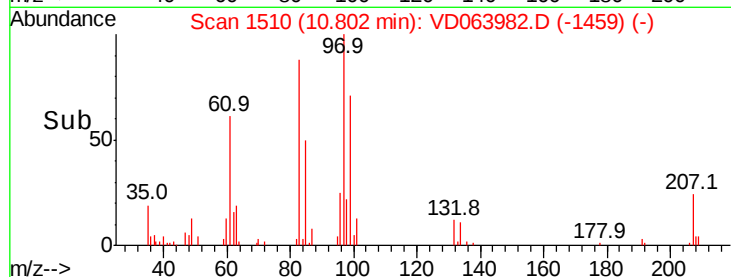
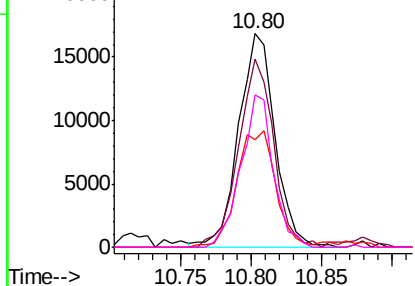
#55
 1,1,2-Trichloroethane
 Concen: 19.976 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	30463
Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.7	104.5
85	50.4	48.1	72.1
99	71.1	51.9	77.9

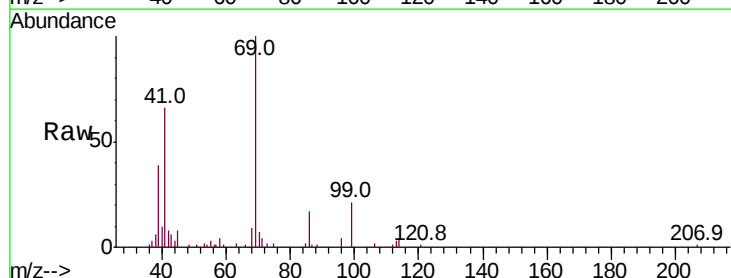


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

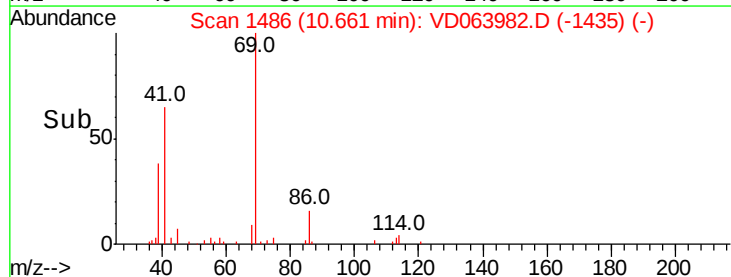
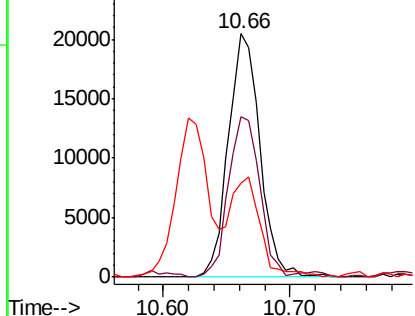


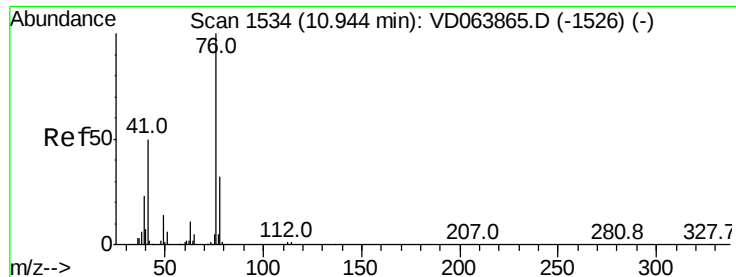
#56
 Ethyl methacrylate
 Concen: 18.256 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

Tgt Ion:	69	Resp:	35256
Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.3	76.9
39	39.9	28.0	42.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.135 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

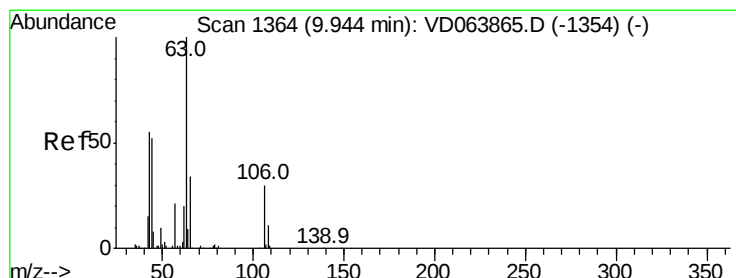
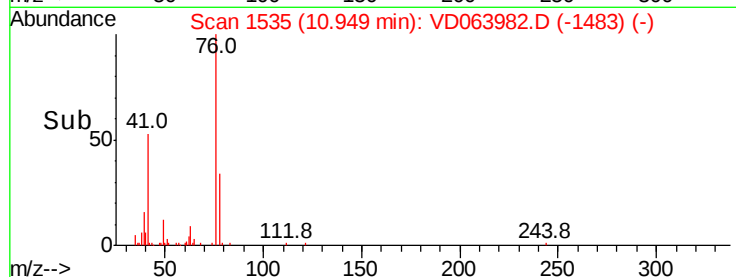
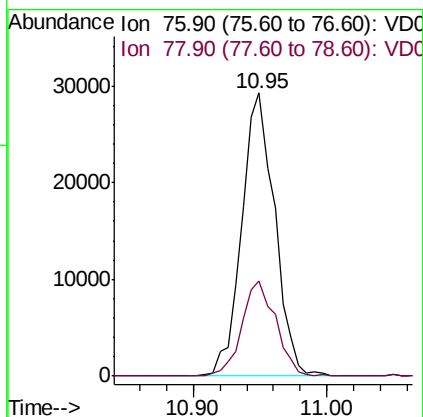
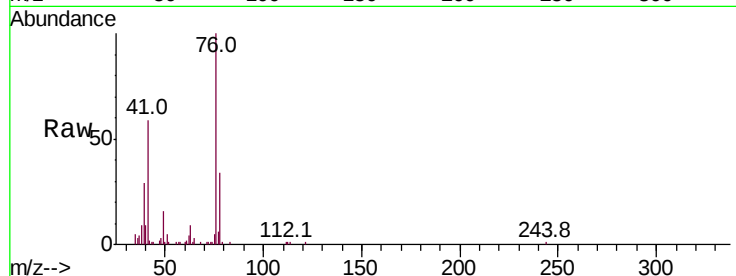
ClientSampleId :

Tot Ion: 76 Resp: 49929

Ion Ratio Lower Upper

76 100

78 34.5 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 90.215 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063982.D

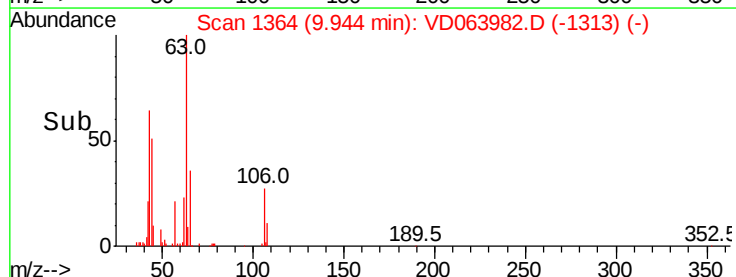
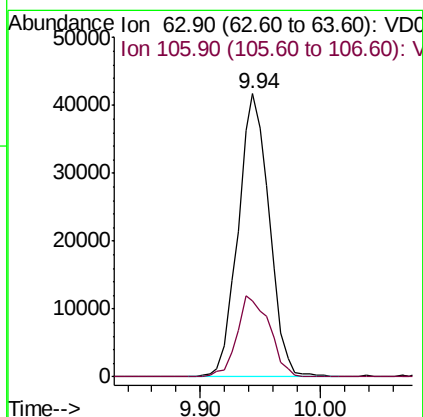
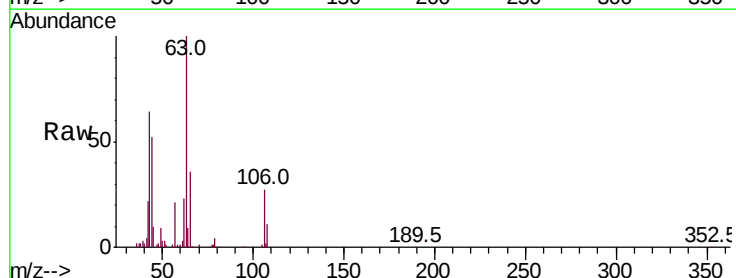
Acq: 16 Oct 2019 12:46

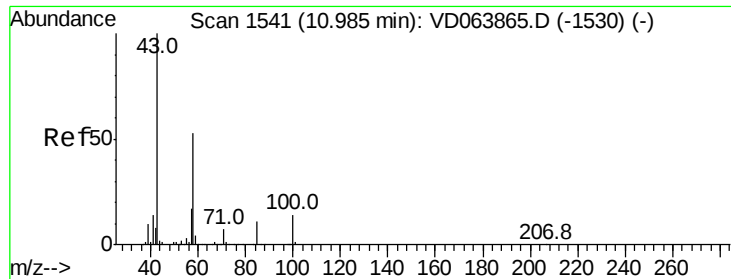
Tgt Ion: 63 Resp: 74888

Ion Ratio Lower Upper

63 100

106 30.1 24.3 36.5

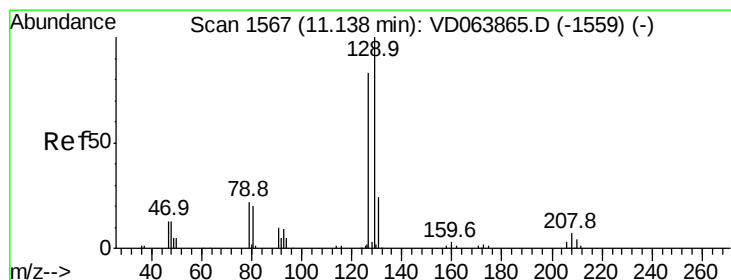
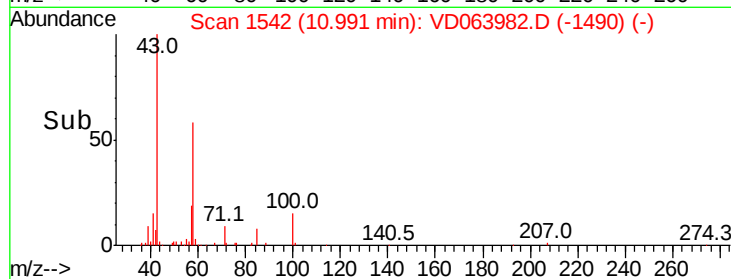
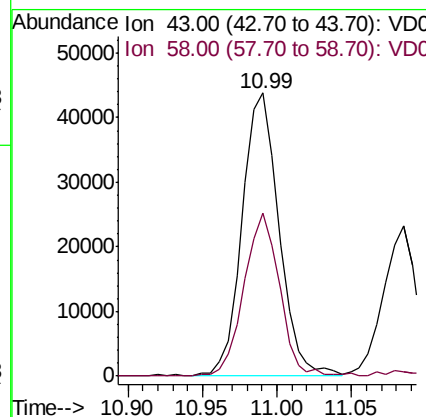
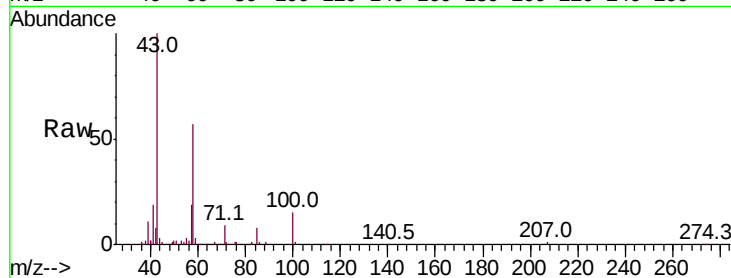




#59
2-Hexanone
Concen: 88.467 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

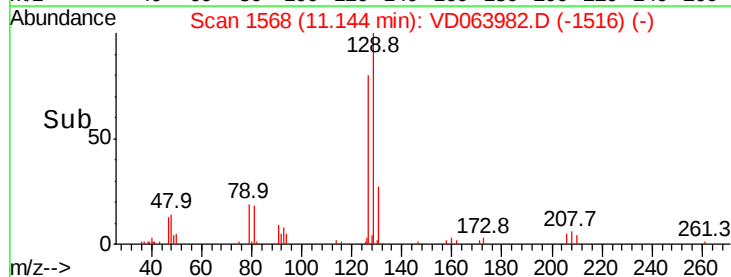
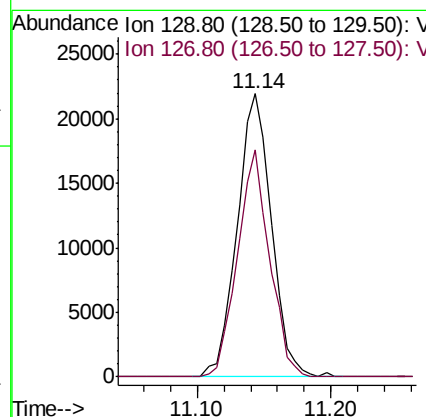
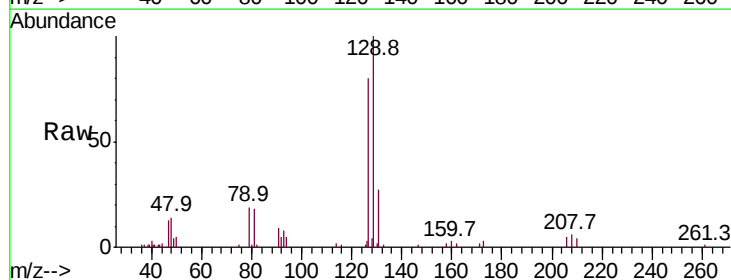
Instrument :
MSVOA_D
ClientSampleId :

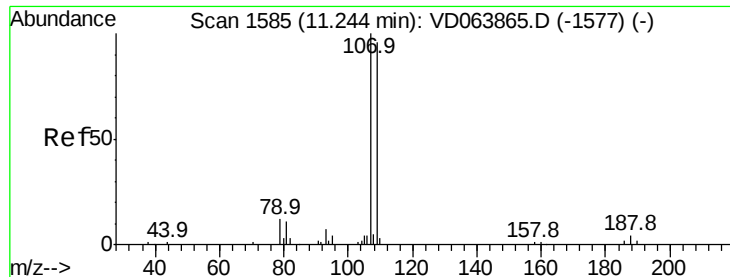
Tot Ion: 43 Resp: 75255
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.0



#60
Dibromochloromethane
Concen: 19.612 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion:129 Resp: 38937
Ion Ratio Lower Upper
129 100
127 75.4 39.9 119.6

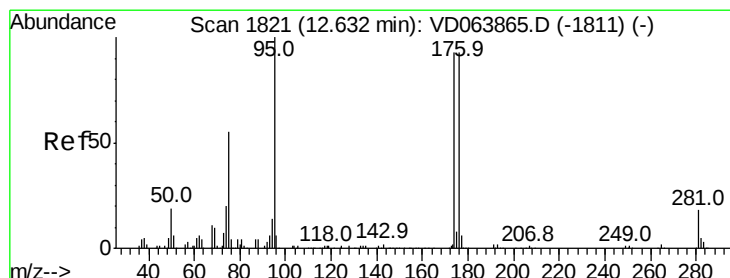
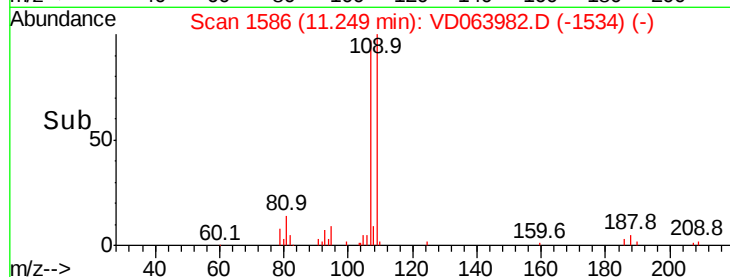
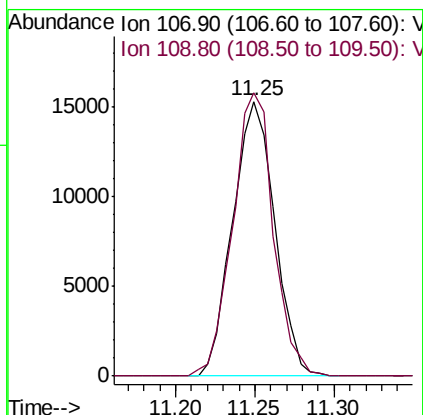
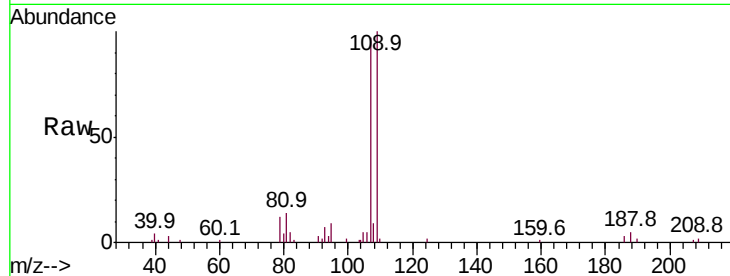




#61
 1,2-Dibromoethane
 Concen: 19.037 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

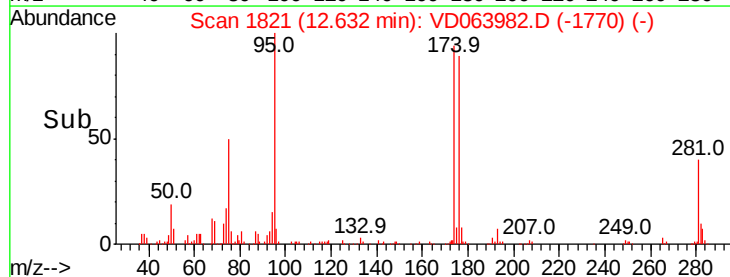
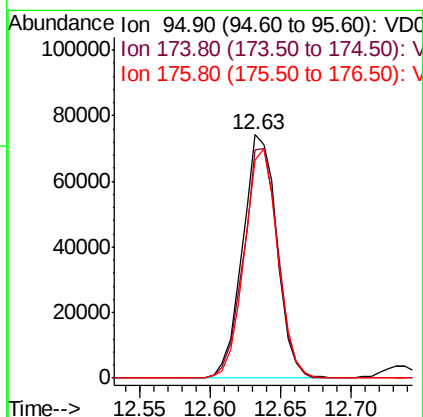
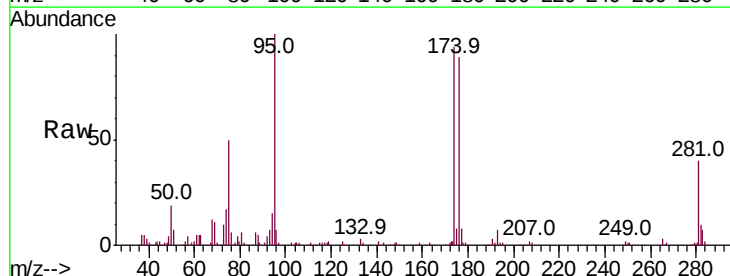
Instrument :
 MSVOA_D
 ClientSampleId :

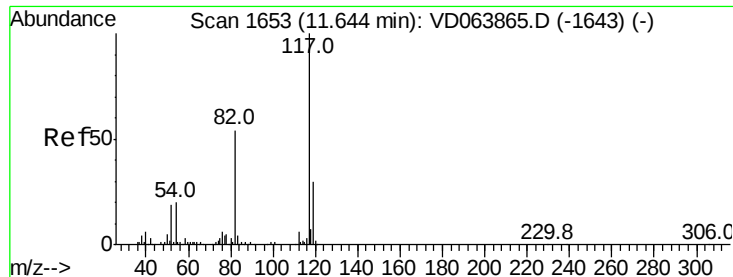
Tot Ion:107 Resp: 28145
 Ion Ratio Lower Upper
 107 100
 109 100.3 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.429 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

Tgt Ion: 95 Resp: 125992
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 186.4
 176 92.1 0.0 184.2

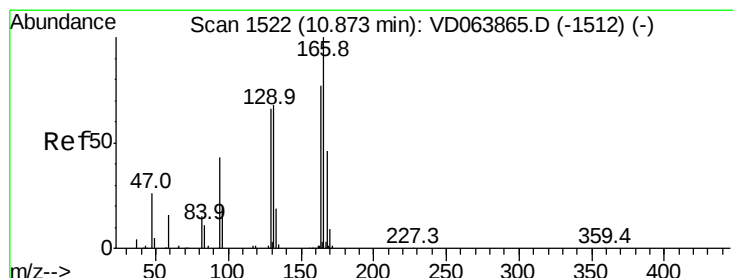
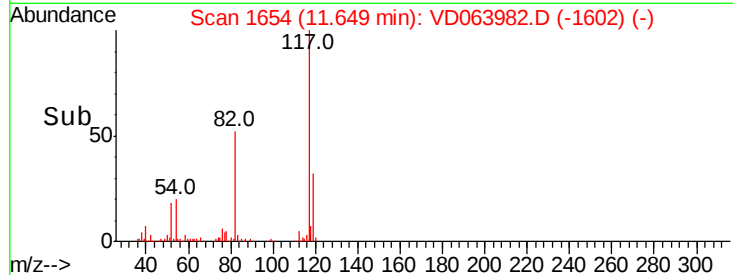
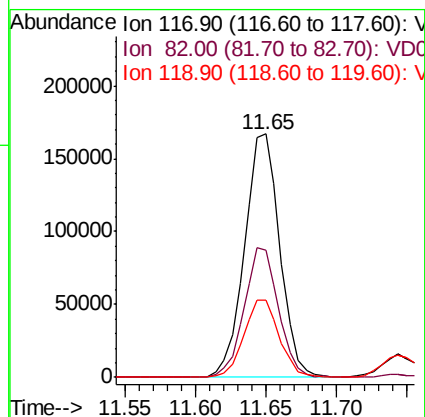
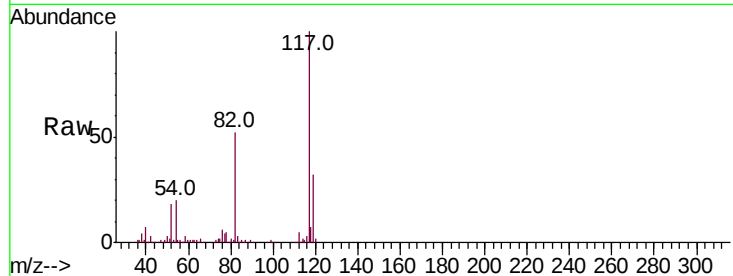




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

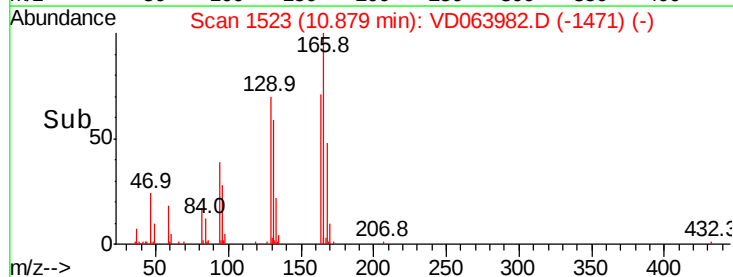
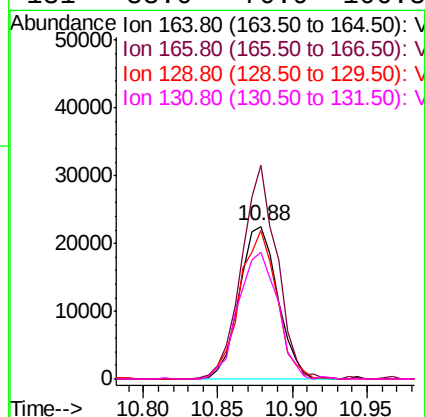
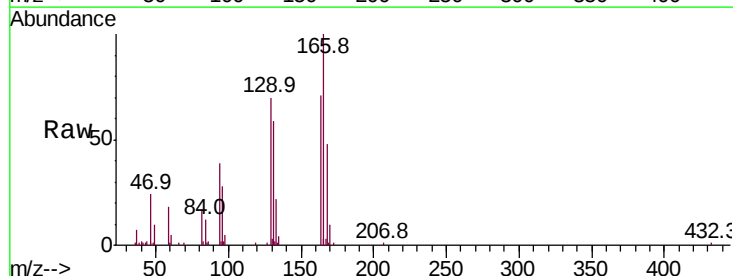
Instrument :
MSVOA_D
ClientSampled :

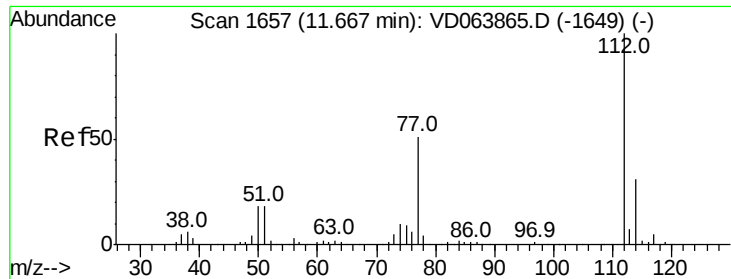
Tot Ion:117 Resp: 291407
Ion Ratio Lower Upper
117 100
82 52.0 42.8 64.2
119 31.8 24.4 36.6



#64
Tetrachloroethene
Concen: 20.249 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion:164 Resp: 40283
Ion Ratio Lower Upper
164 100
166 140.0 103.8 155.6
129 97.3 68.9 103.3
131 83.0 70.9 106.3

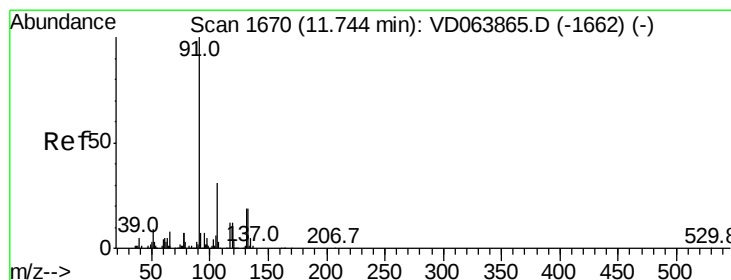
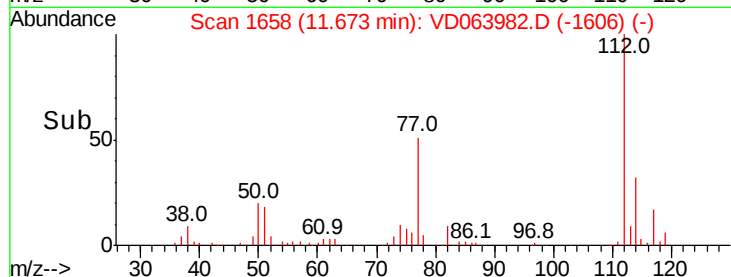
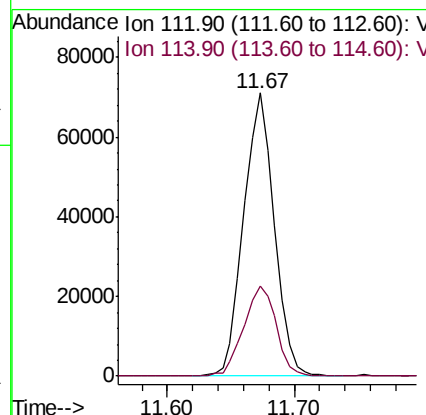
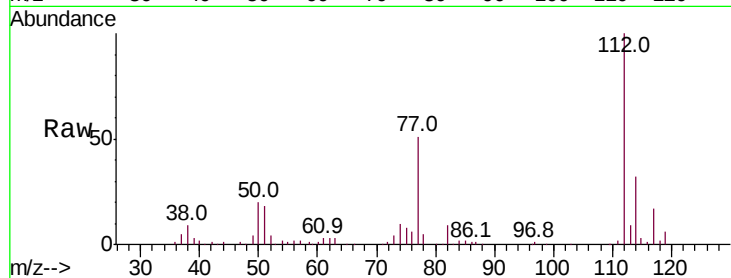




#65
Chlorobenzene
Concen: 20.352 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

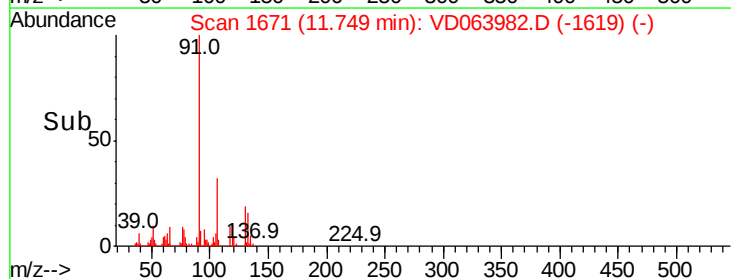
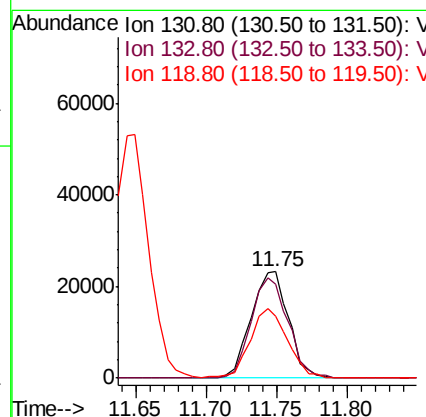
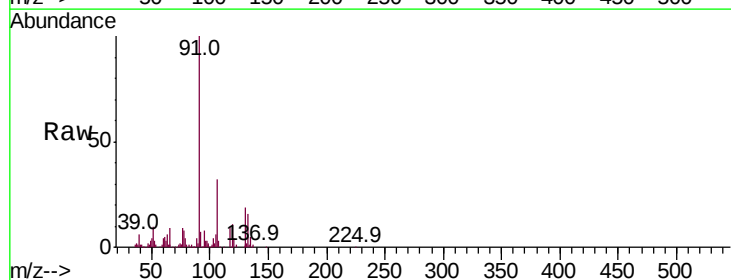
Instrument :
MSVOA_D
ClientSampleId :

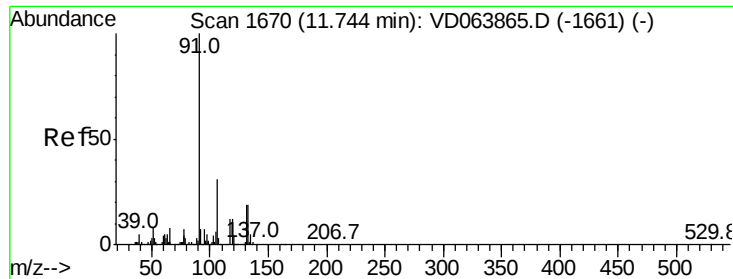
Tot Ion:112 Resp: 119107
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.088 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion:131 Resp: 43317
Ion Ratio Lower Upper
131 100
133 92.8 48.9 146.7
119 64.8 32.6 97.8





#67

Ethyl Benzene

Concen: 20.318 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

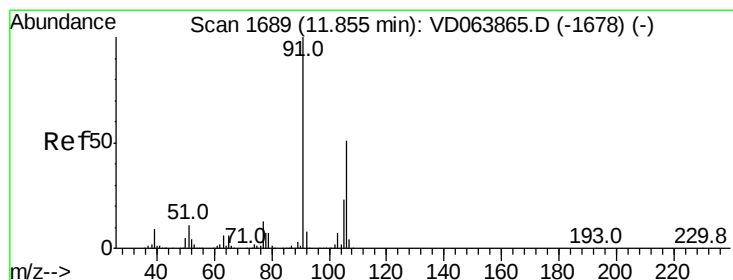
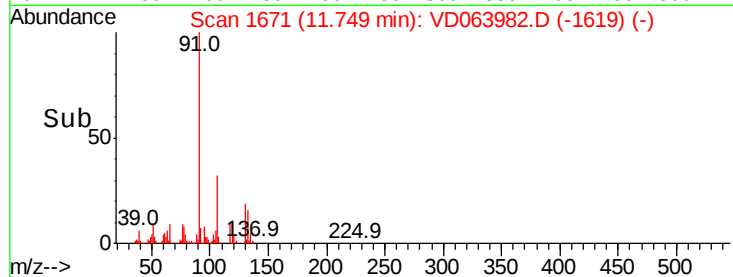
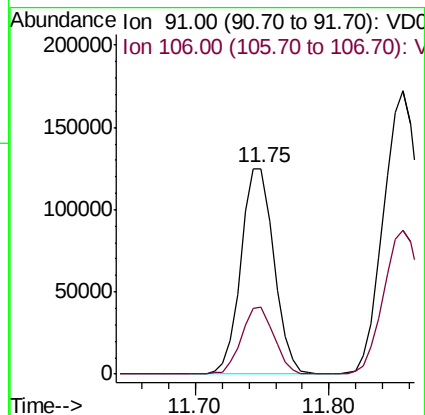
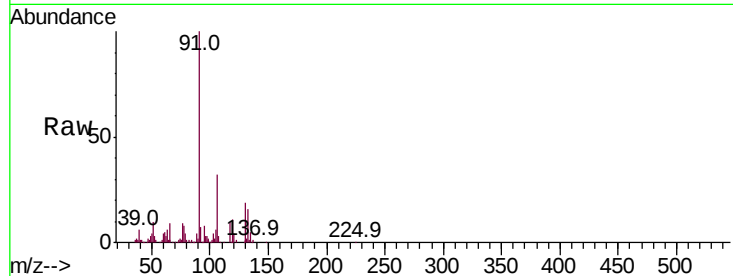
ClientSampleId :

Tot Ion: 91 Resp: 214409

Ion Ratio Lower Upper

91 100

106 32.5 24.6 37.0



#68

m/p-Xylenes

Concen: 42.112 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063982.D

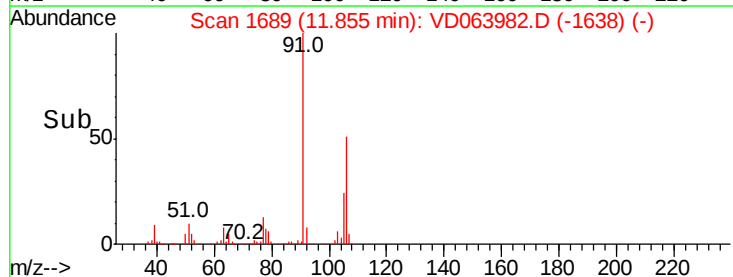
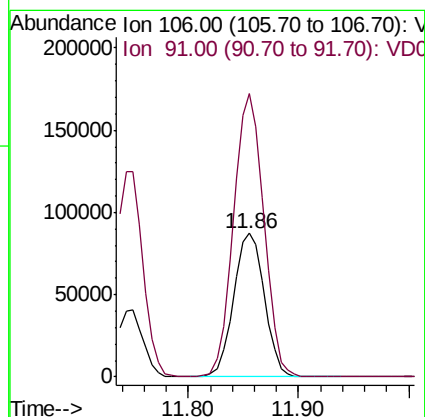
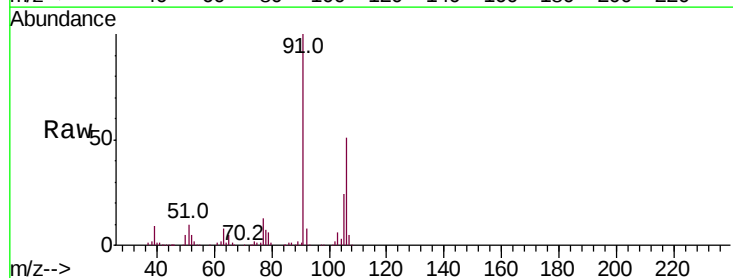
Acq: 16 Oct 2019 12:46

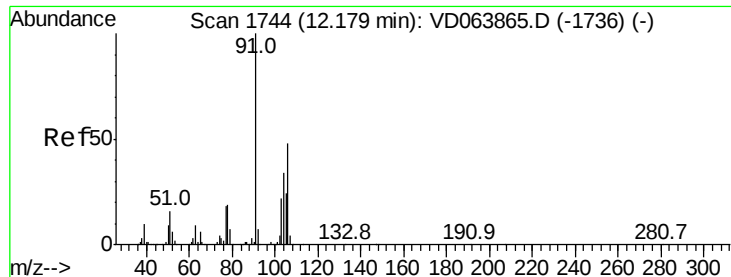
Tgt Ion: 106 Resp: 171529

Ion Ratio Lower Upper

106 100

91 193.9 154.8 232.2

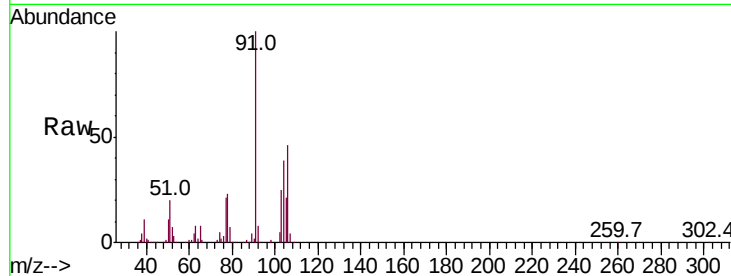




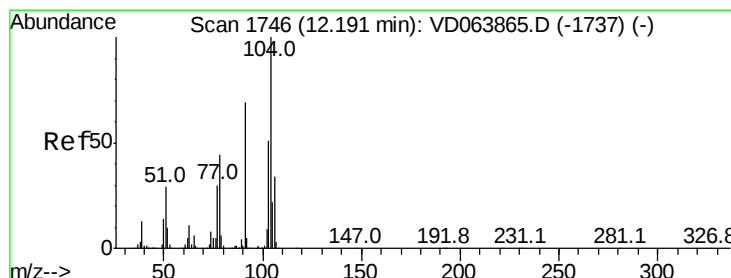
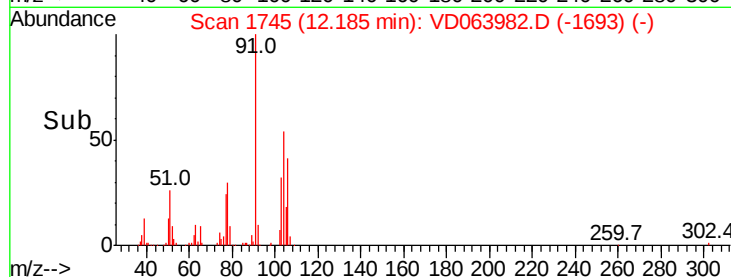
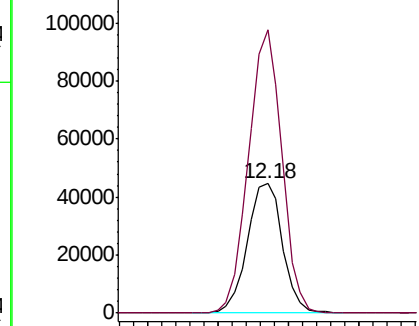
#69
o-Xylene
Concen: 20.029 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 78116
Ion Ratio Lower Upper
106 100
91 207.3 103.9 311.7

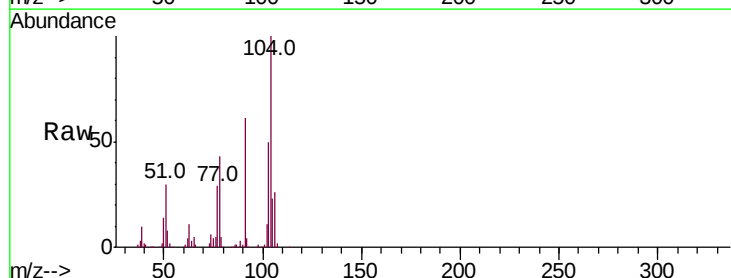


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

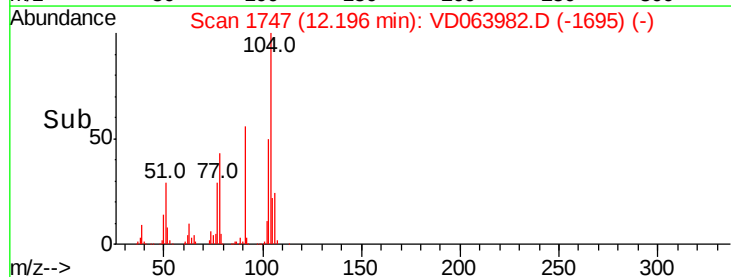
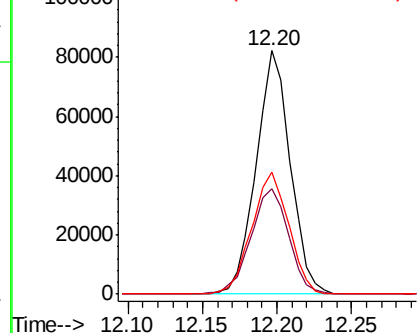


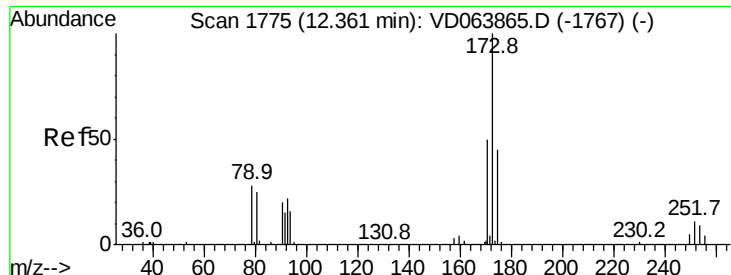
#70
Styrene
Concen: 19.675 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion:104 Resp: 129905
Ion Ratio Lower Upper
104 100
78 47.9 37.0 55.4
103 54.5 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.072 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

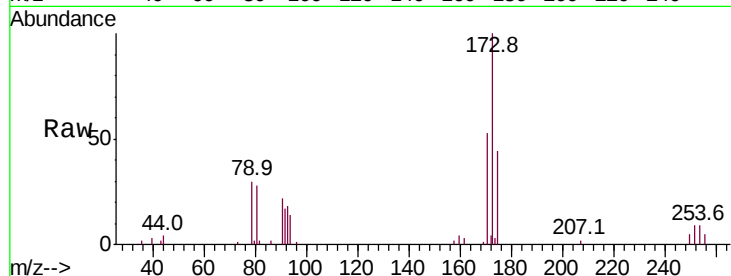
Tot Ion:173 Resp: 20915

Ion Ratio Lower Upper

173 100

175 50.0 24.6 74.0

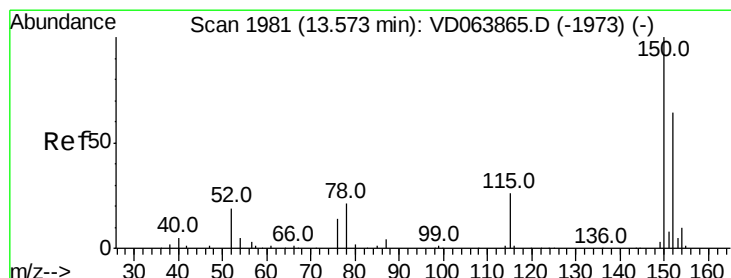
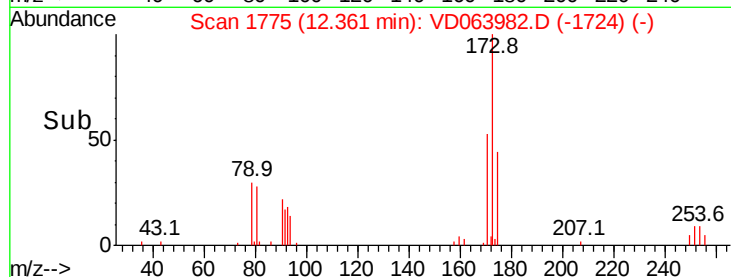
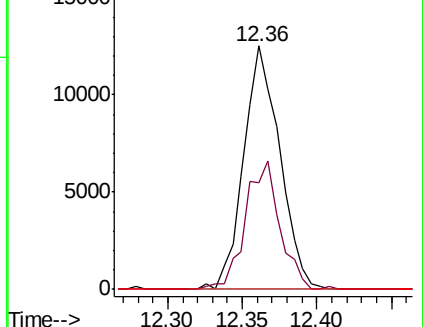
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

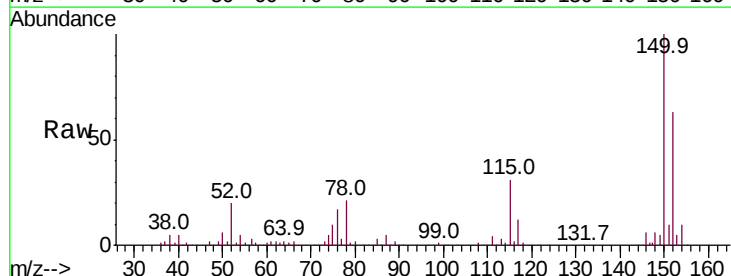
Tgt Ion:152 Resp: 154294

Ion Ratio Lower Upper

152 100

115 54.5 25.9 77.7

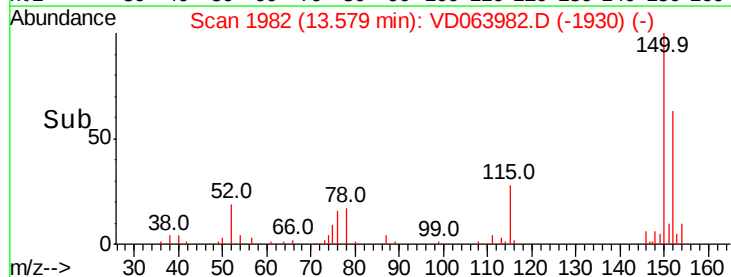
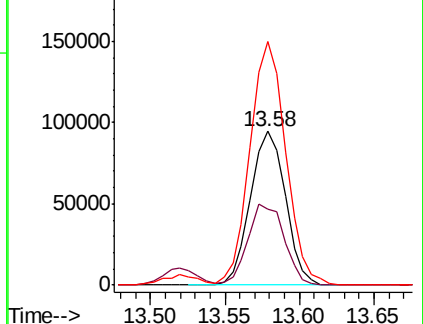
150 161.3 0.0 344.2

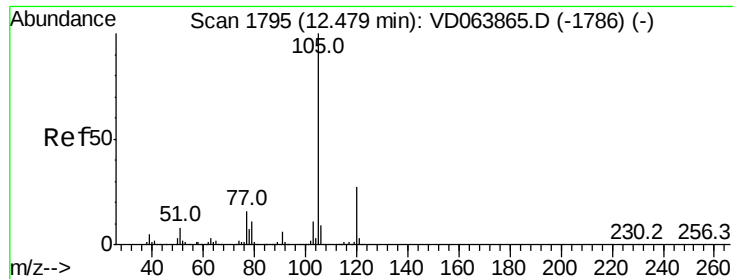


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.686 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

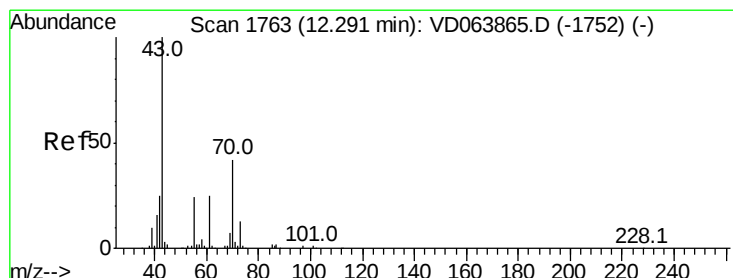
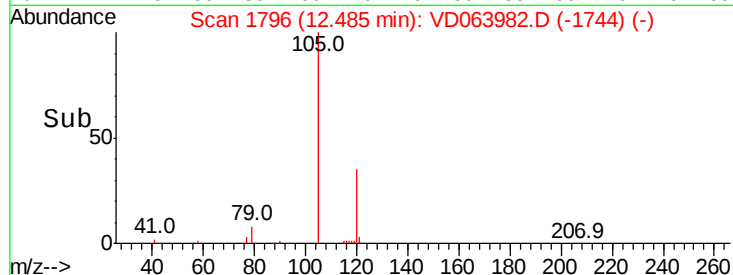
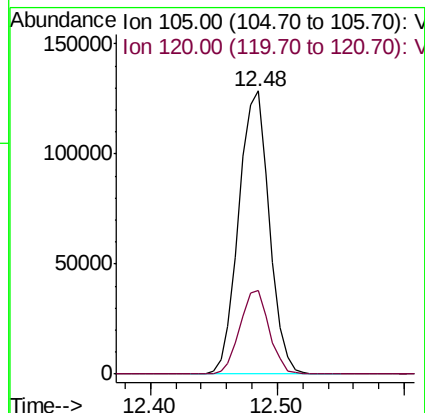
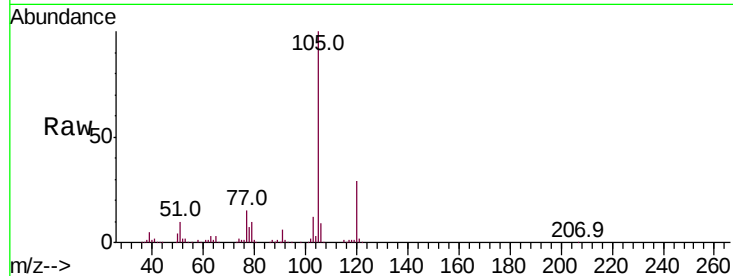
ClientSampled :

Tot Ion:105 Resp: 214561

Ion Ratio Lower Upper

105 100

120 28.3 13.3 39.8



#74

N-ethyl acetate

Concen: 17.811 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Tgt Ion: 43 Resp: 39775

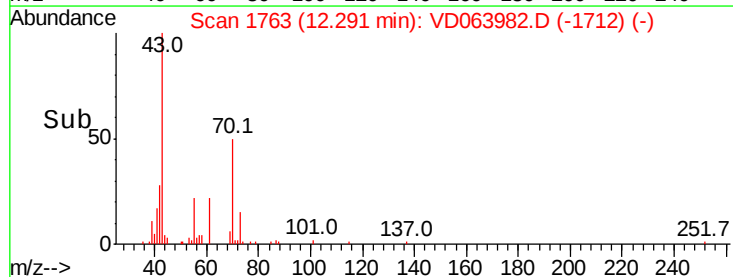
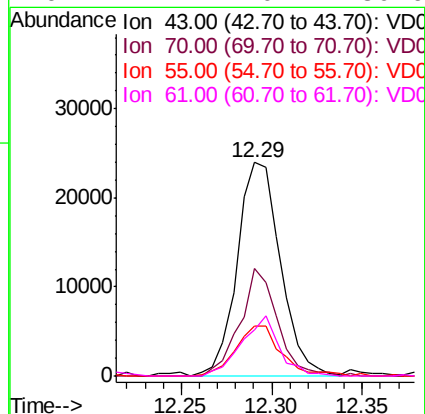
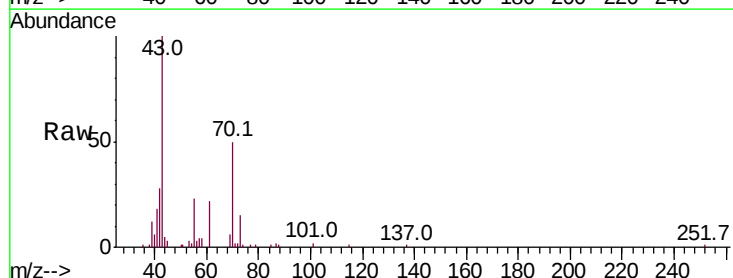
Ion Ratio Lower Upper

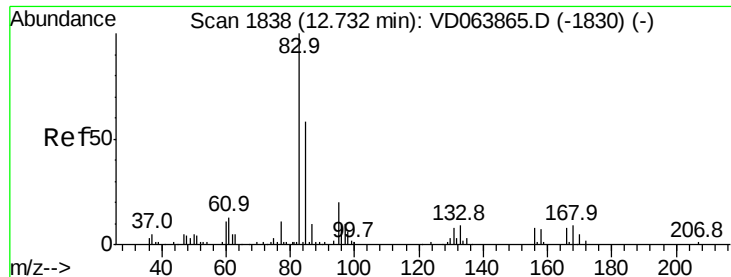
43 100

70 43.9 35.8 53.6

55 25.0 19.4 29.0

61 24.4 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.169 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

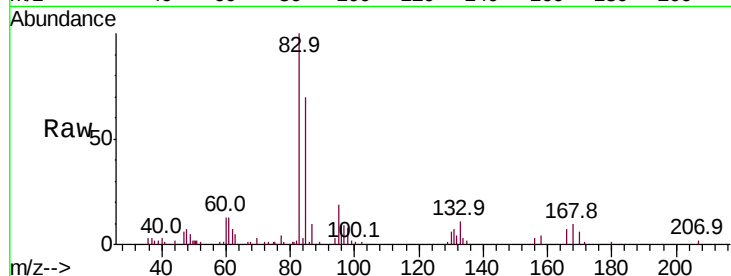
Tot Ion: 83 Resp: 34598

Ion Ratio Lower Upper

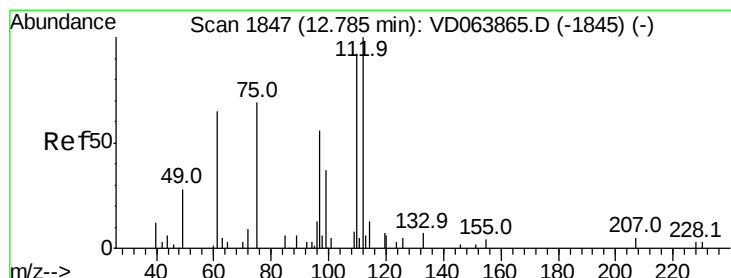
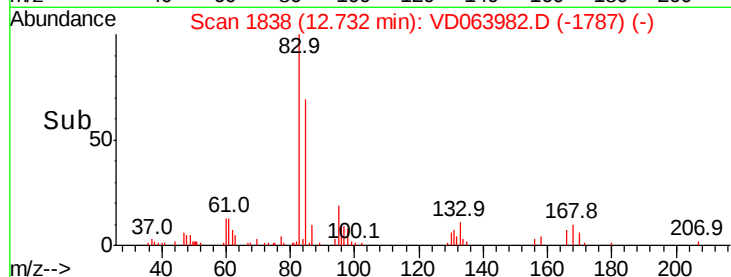
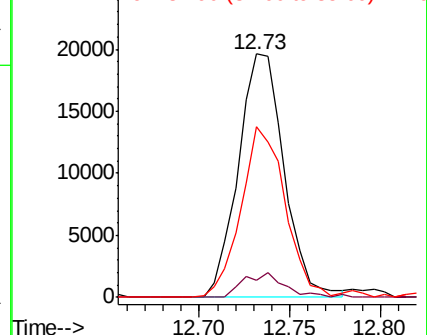
83 100

131 9.1 5.6 16.8

85 67.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 42.660 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD063982.D

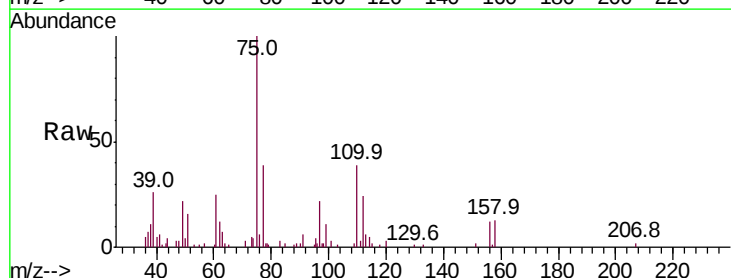
Acq: 16 Oct 2019 12:46

Tgt Ion: 75 Resp: 44086

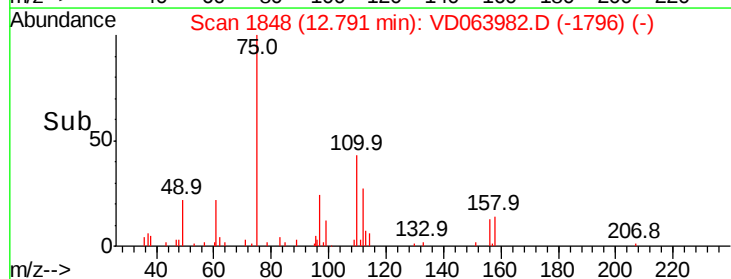
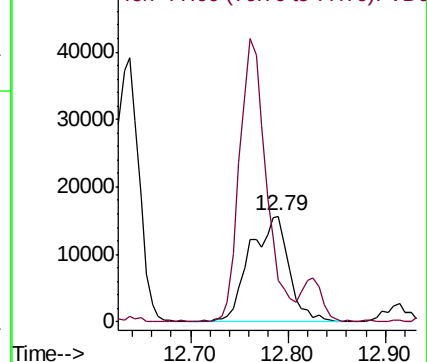
Ion Ratio Lower Upper

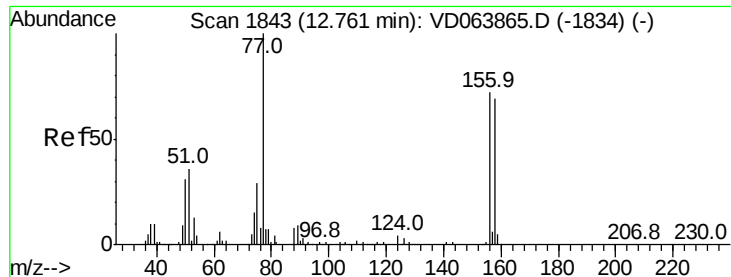
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.529 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

ClientSampled :

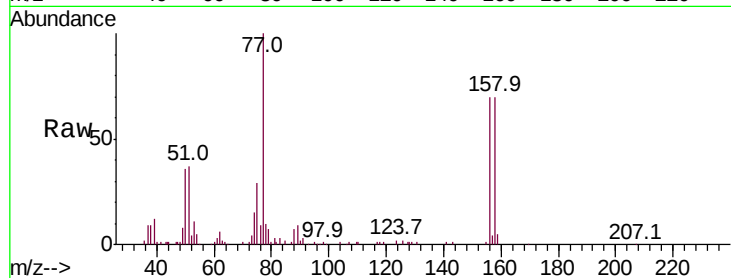
Tot Ion:156 Resp: 50466

Ion Ratio Lower Upper

156 100

77 160.8 80.3 241.0

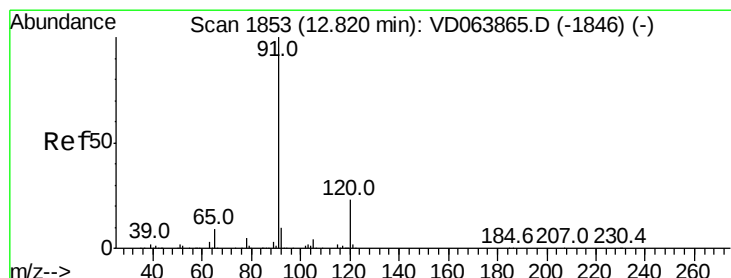
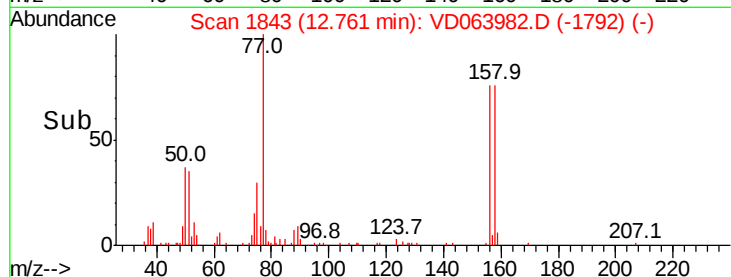
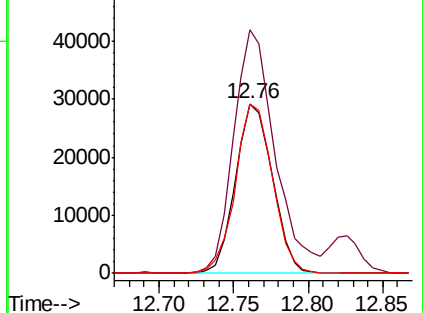
158 99.9 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.391 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063982.D

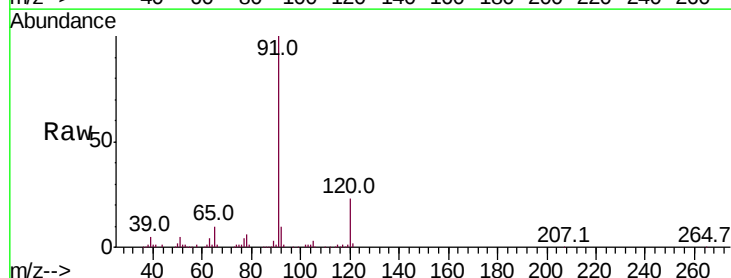
Acq: 16 Oct 2019 12:46

Tgt Ion: 91 Resp: 260433

Ion Ratio Lower Upper

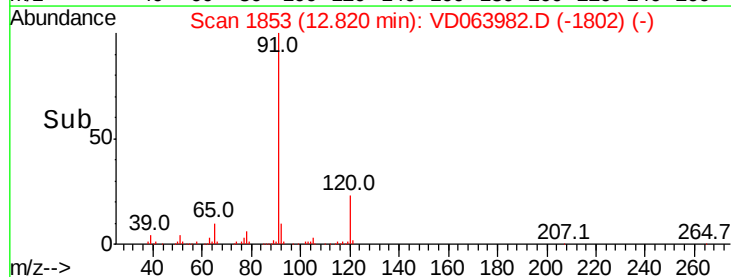
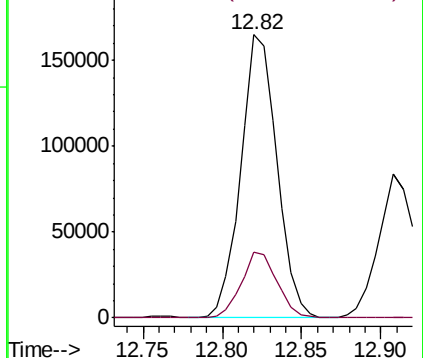
91 100

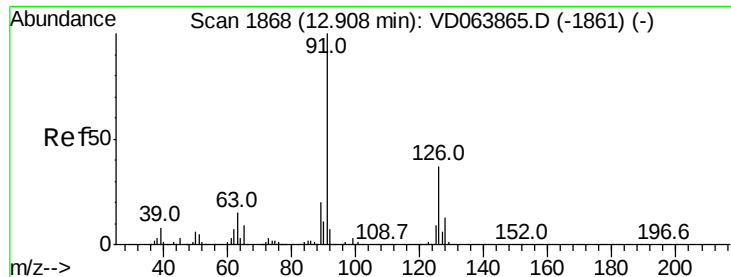
120 23.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

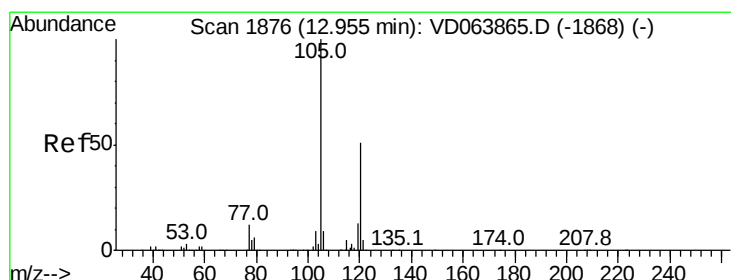
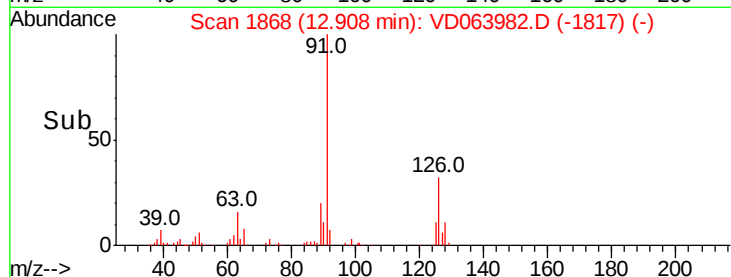
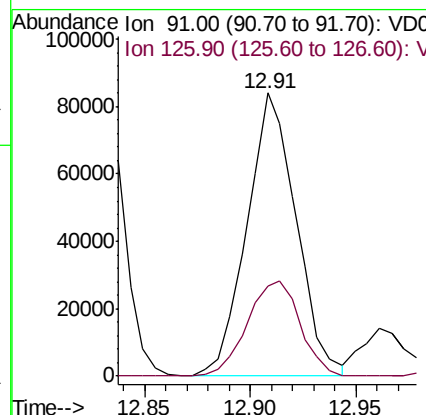
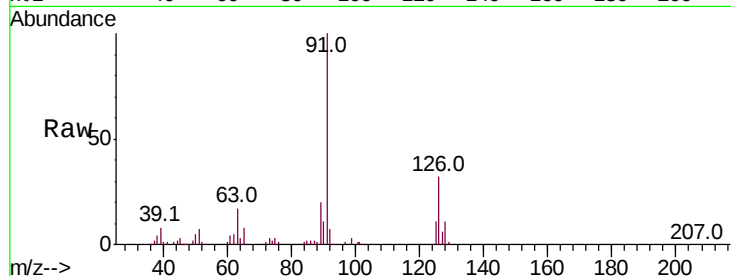




#79
 2-Chlorotoluene
 Concen: 20.226 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

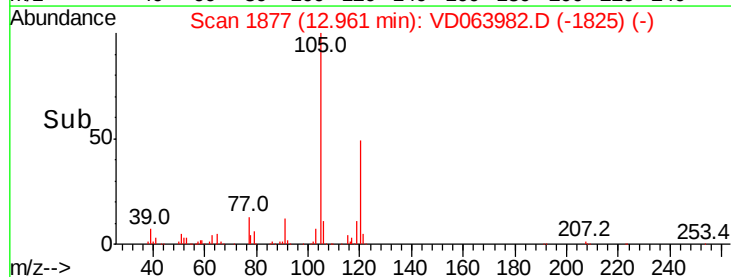
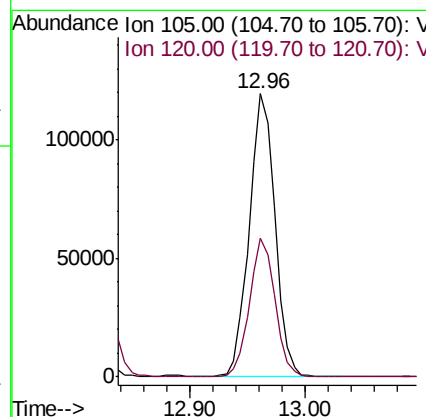
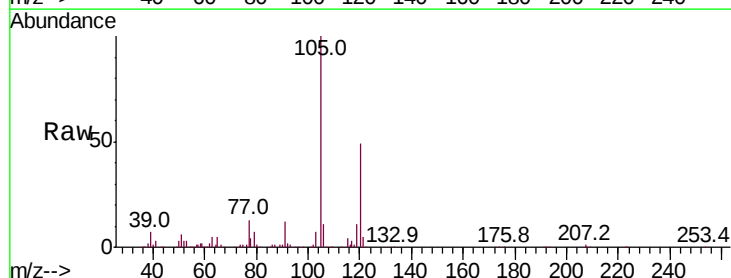
Instrument :
 MSVOA_D
 ClientSampleId :

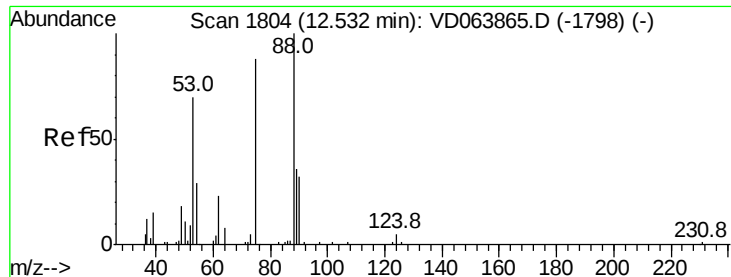
Tot Ion: 91 Resp: 135782
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 21.503 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

Tgt Ion:105 Resp: 186074
 Ion Ratio Lower Upper
 105 100
 120 48.1 25.9 77.8

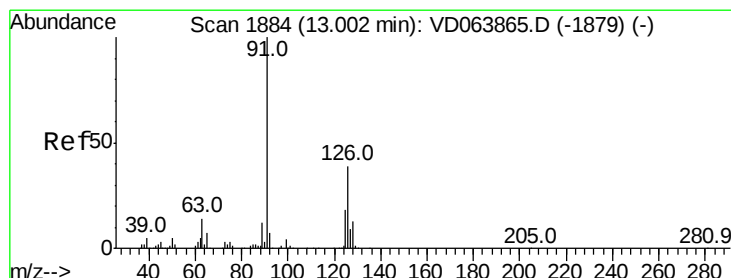
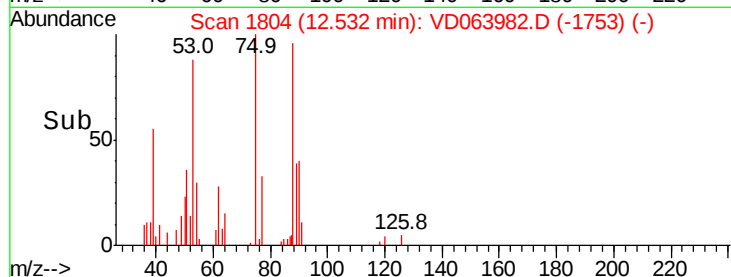
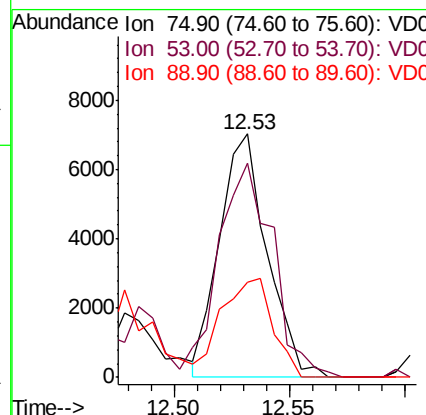
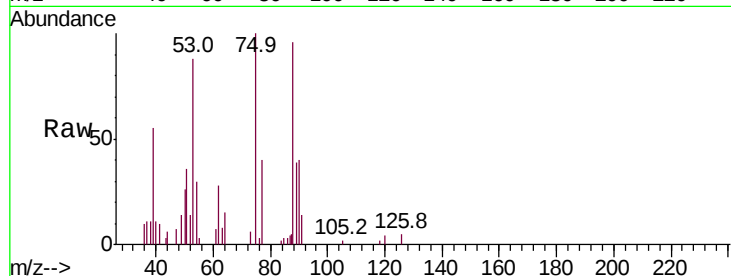




#81
trans-1,4-Dichloro-2-butene
Concen: 17.324 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

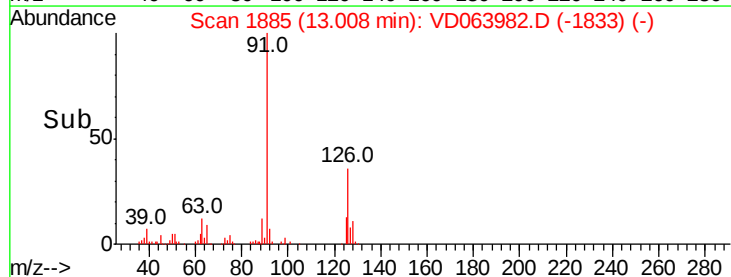
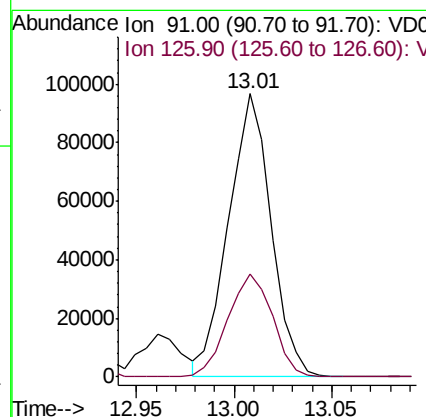
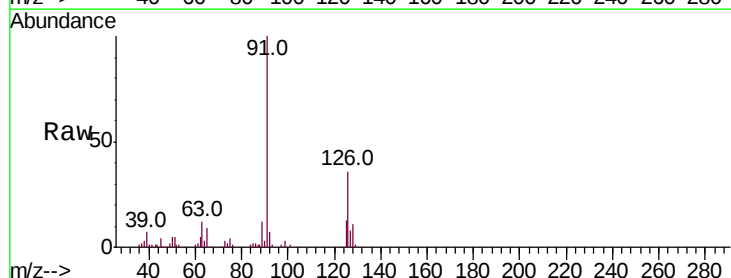
Instrument :
MSVOA_D
ClientSampleId :

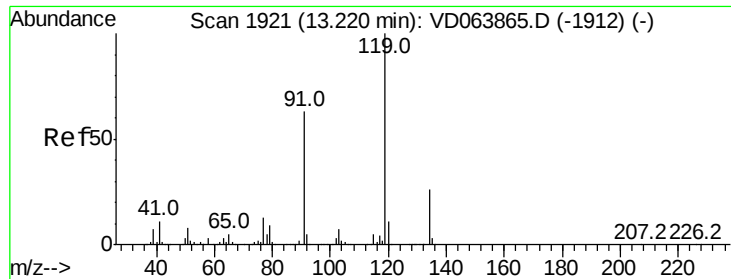
Tot Ion: 75 Resp: 10117
Ion Ratio Lower Upper
75 100
53 100.0 75.0 112.6
89 43.6 38.2 57.4



#82
4-Chlorotoluene
Concen: 20.482 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion: 91 Resp: 145862
Ion Ratio Lower Upper
91 100
126 38.1 18.6 55.8

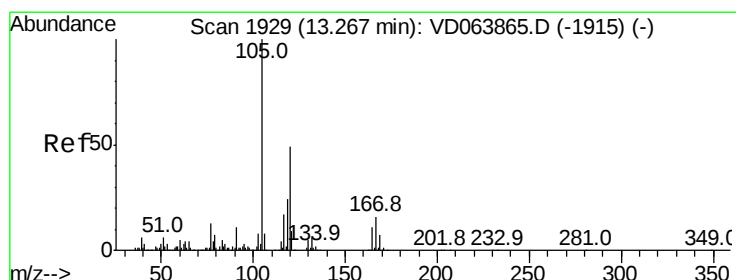
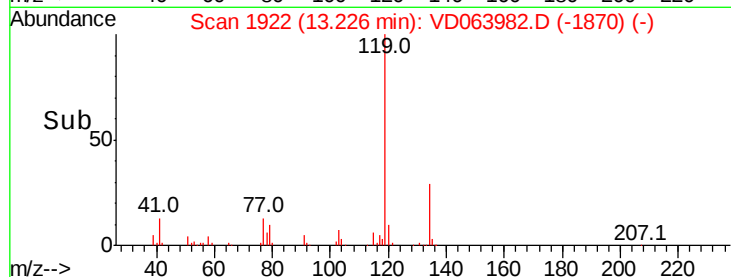
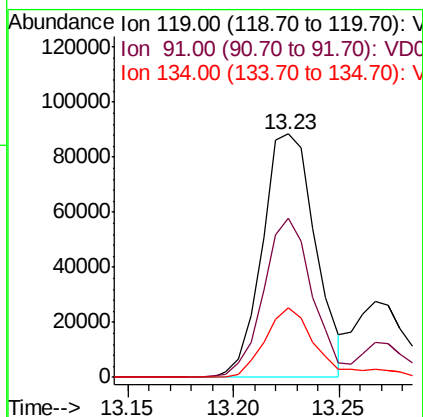
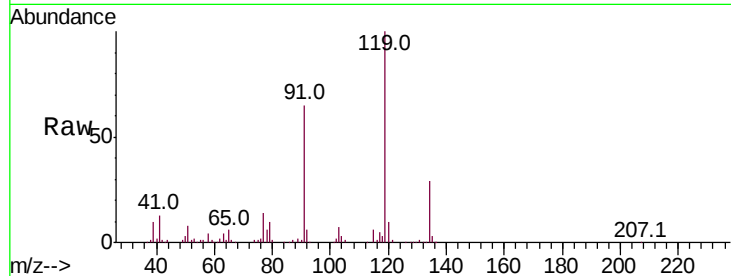




#83
tert-Butylbenzene
Concen: 20.164 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

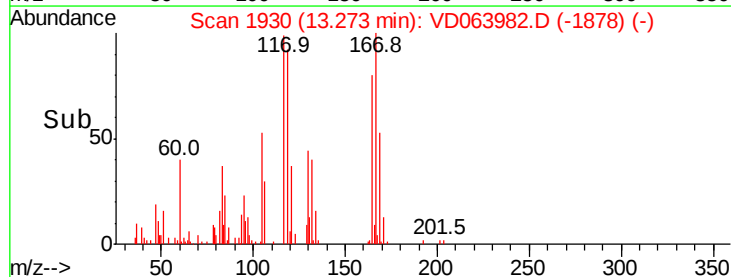
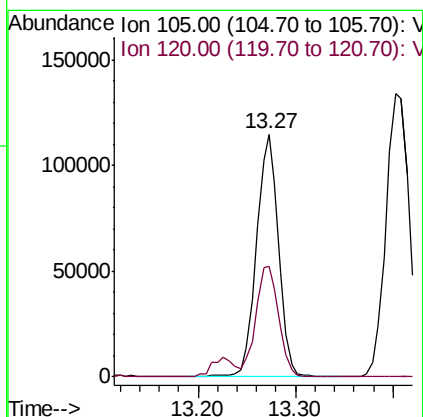
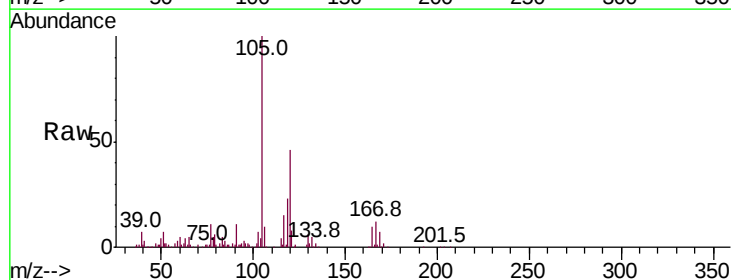
Instrument :
MSVOA_D
ClientSampled :

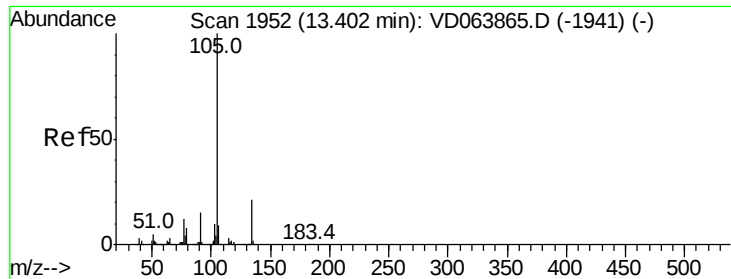
Tot Ion:119 Resp: 155294
Ion Ratio Lower Upper
119 100
91 60.7 30.0 90.0
134 28.3 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 20.517 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion:105 Resp: 183038
Ion Ratio Lower Upper
105 100
120 47.2 23.8 71.5





#85

sec-Butylbenzene

Concen: 21.338 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

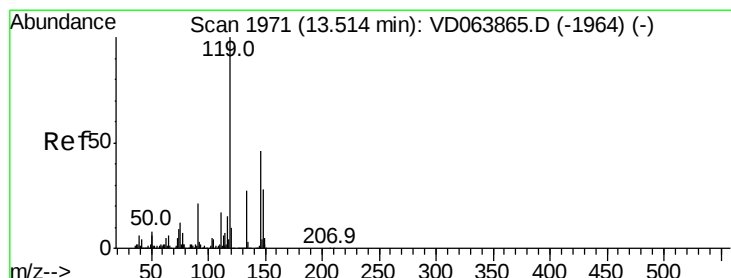
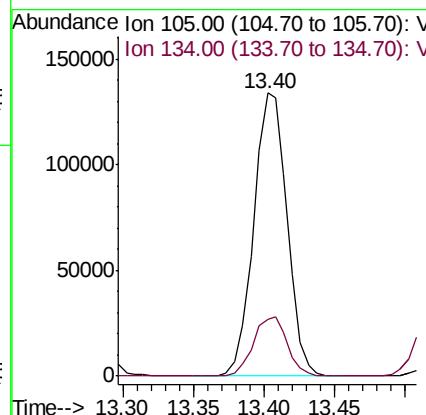
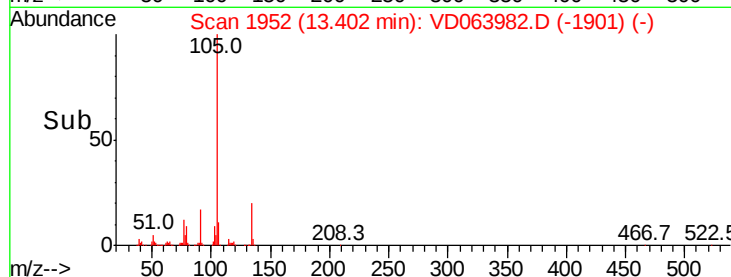
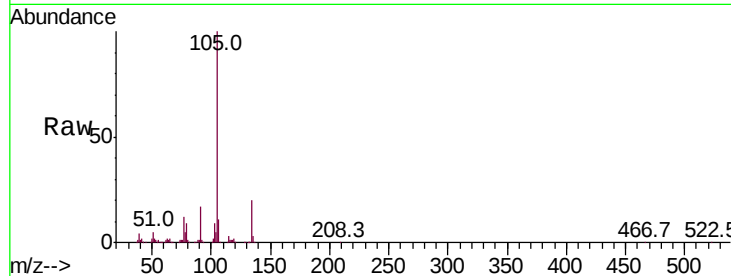
Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:105 Resp: 221926

Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.6	31.8



#86

p-Isopropyltoluene

Concen: 21.611 ug/l

RT: 13.52 min Scan# 1972

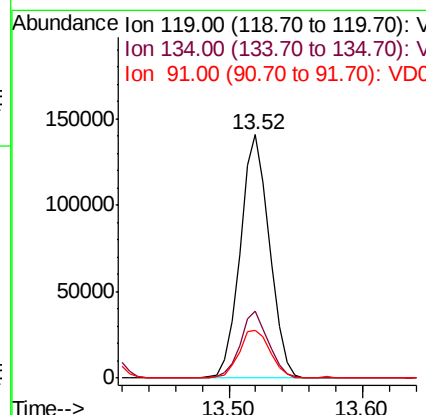
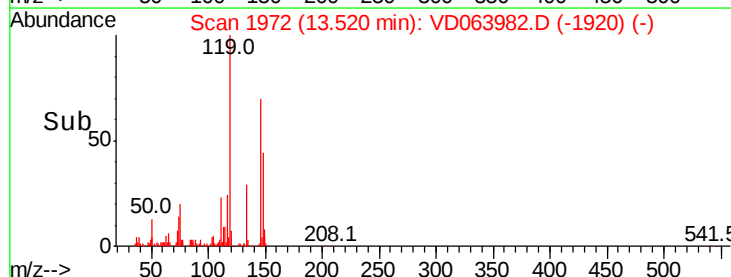
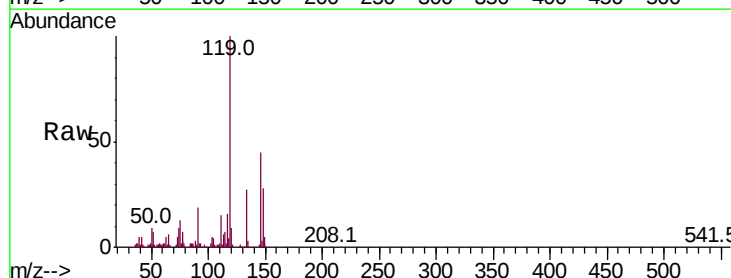
Delta R.T. 0.01 min

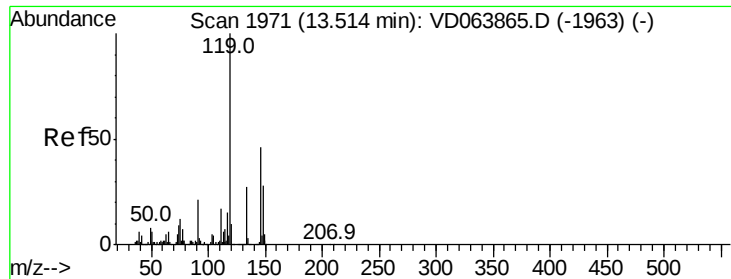
Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Tgt Ion:119 Resp: 212692

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.9	41.6
91	21.1	11.2	33.5





#87

1,3-Dichlorobenzene

Concen: 20.182 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

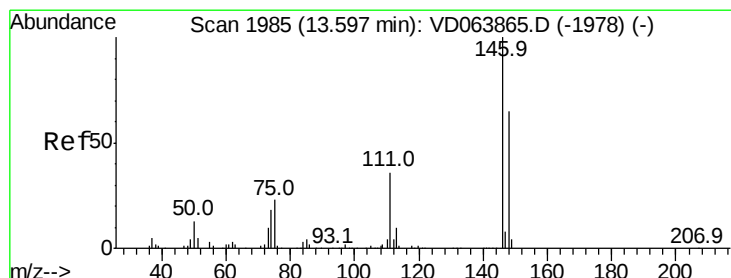
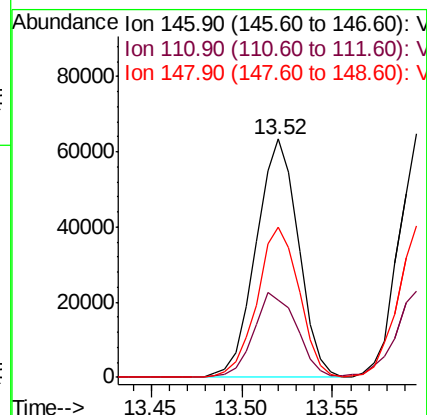
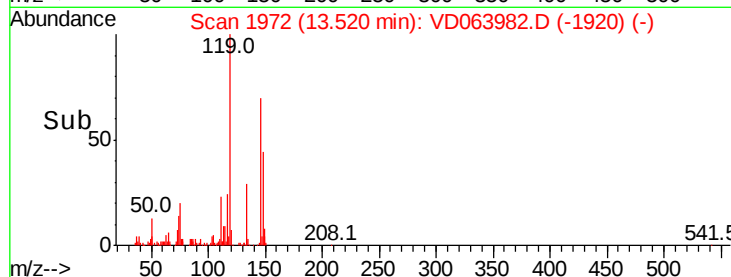
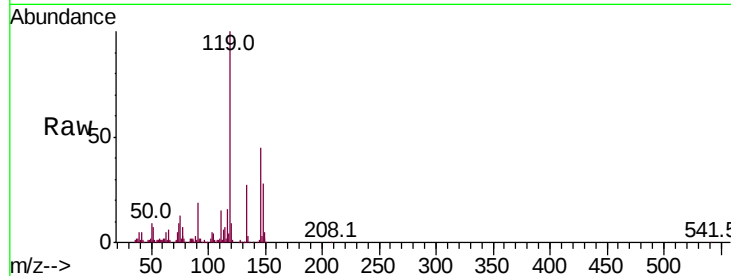
Tot Ion:146 Resp: 103051

Ion Ratio Lower Upper

146 100

111 36.3 18.3 54.9

148 62.4 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 20.747 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

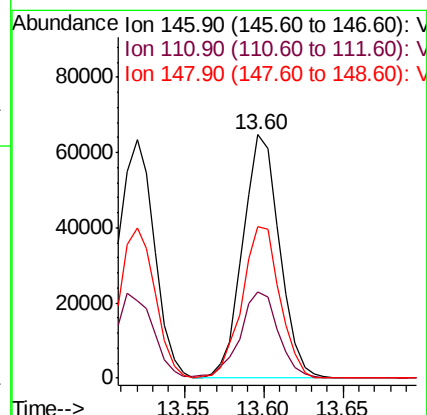
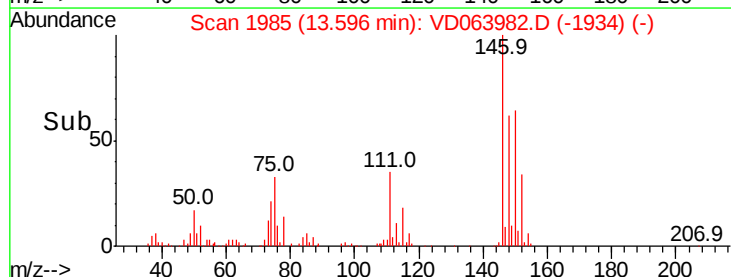
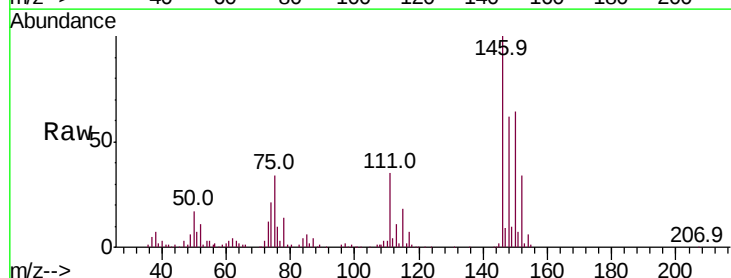
Tgt Ion:146 Resp: 104513

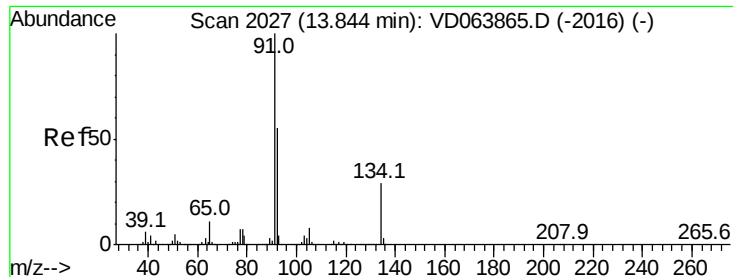
Ion Ratio Lower Upper

146 100

111 36.9 18.6 56.0

148 64.0 32.6 98.0

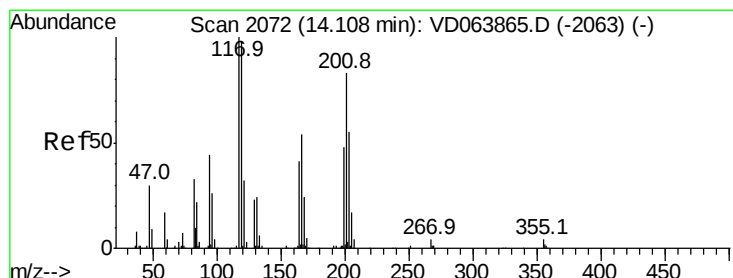
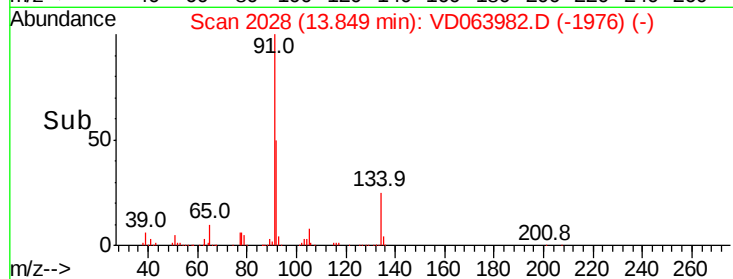
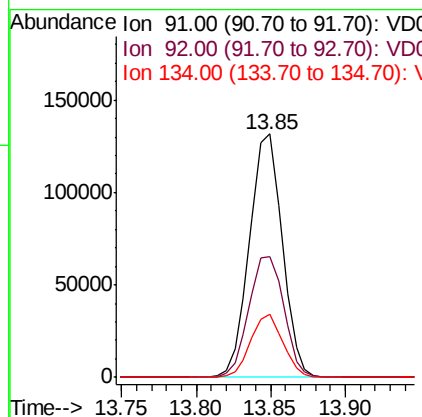
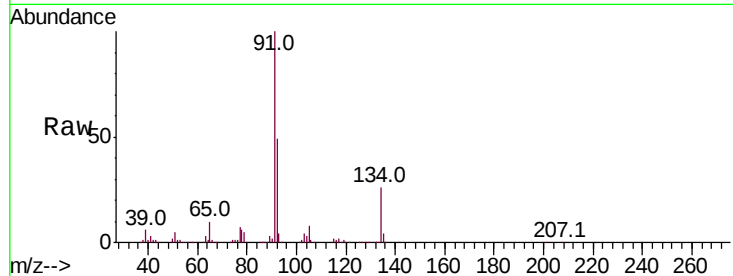




#89
n-Butylbenzene
Concen: 21.857 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

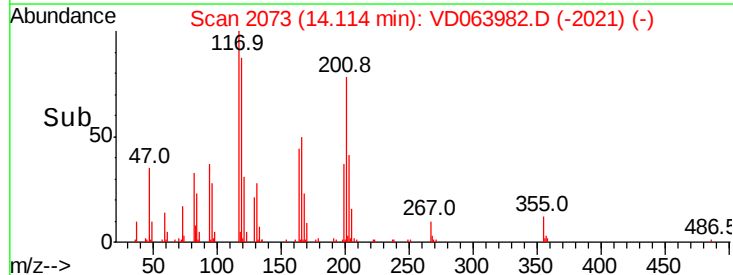
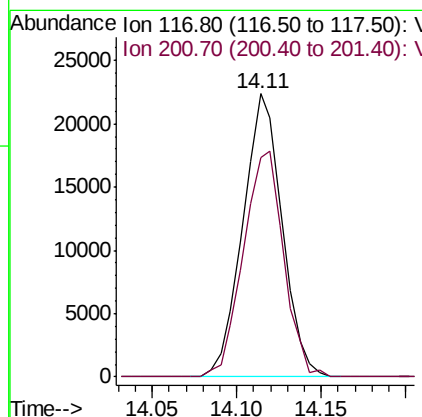
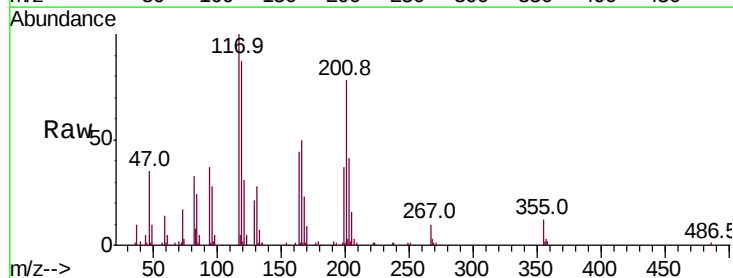
Instrument :
MSVOA_D
ClientSampleId :

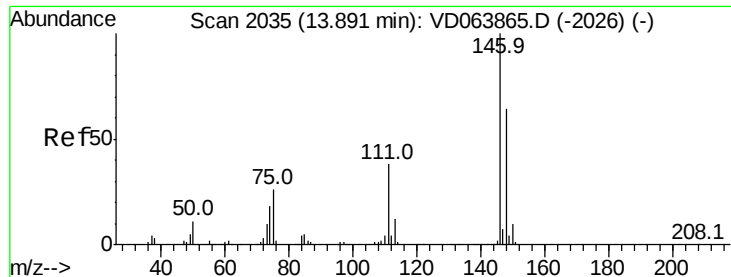
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.3
134	25.7	14.4	43.0



#90
Hexachloroethane
Concen: 20.477 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	40.6	121.7

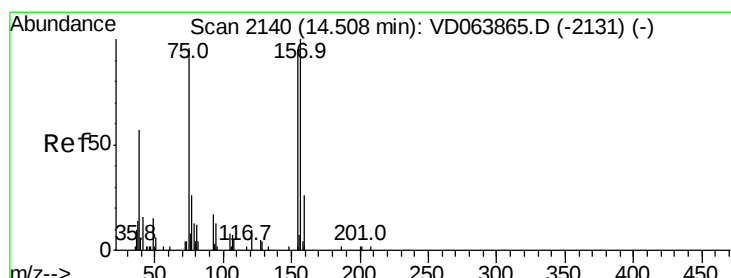
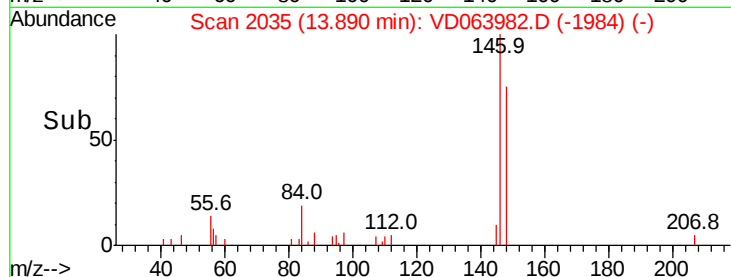
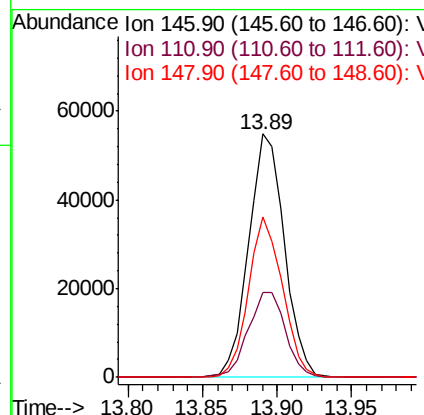
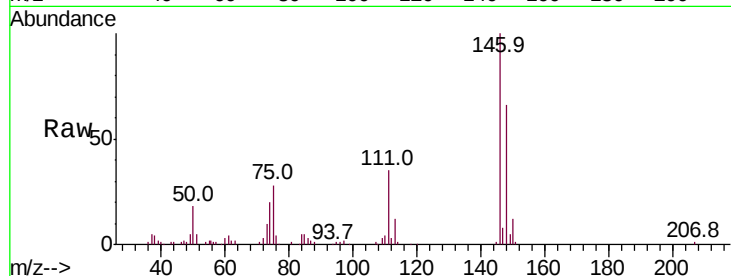




#91
 1,2-Dichlorobenzene
 Concen: 20.600 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

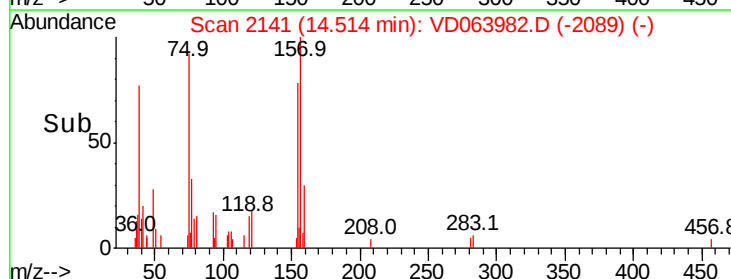
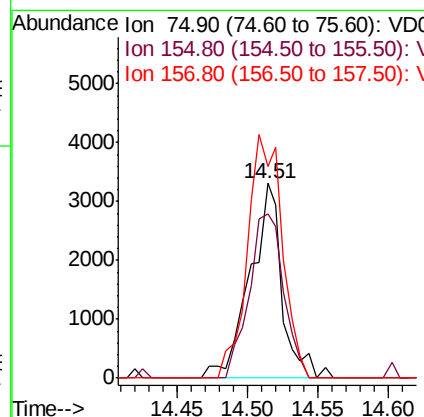
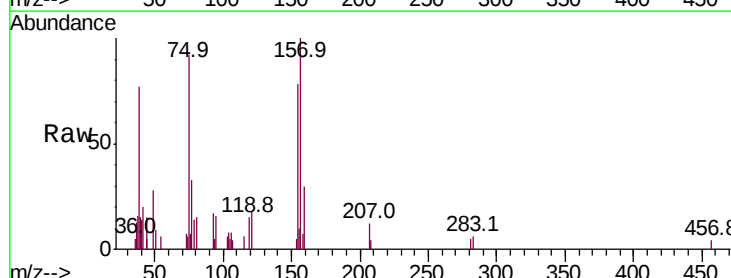
Instrument :
 MSVOA_D
 ClientSampleId :

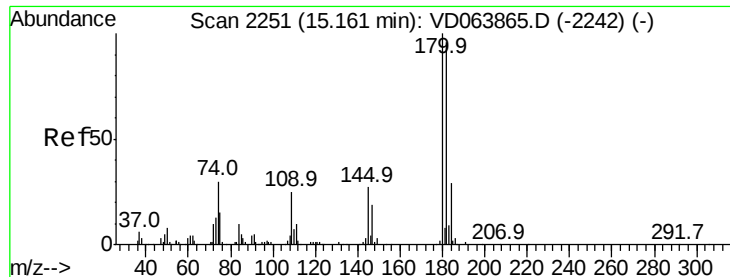
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.6	55.6
148	62.5	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.303 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD063982.D
 Acq: 16 Oct 2019 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	43.9	131.6
157	134.8	56.0	167.9





#93

1,2,4-Trichlorobenzene

Concen: 19.188 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

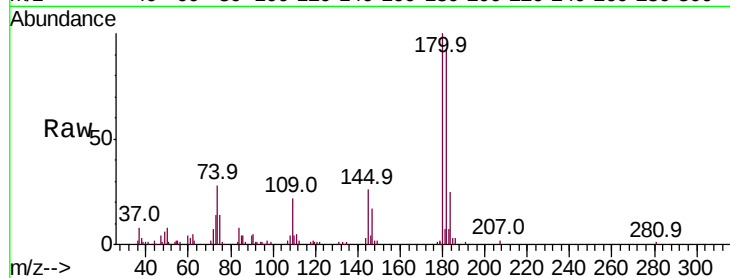
Tot Ion:180 Resp: 65151

Ion Ratio Lower Upper

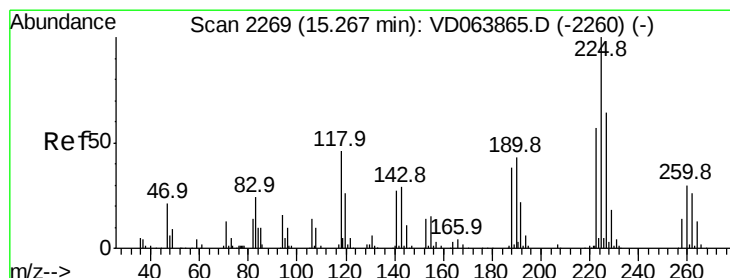
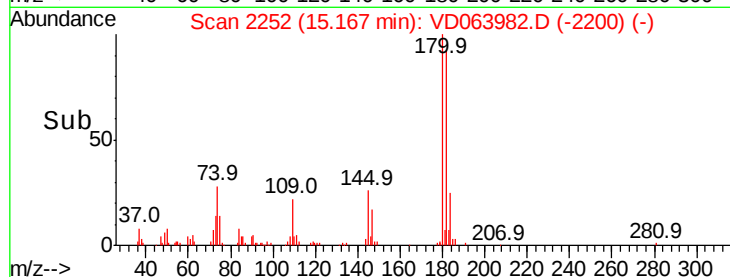
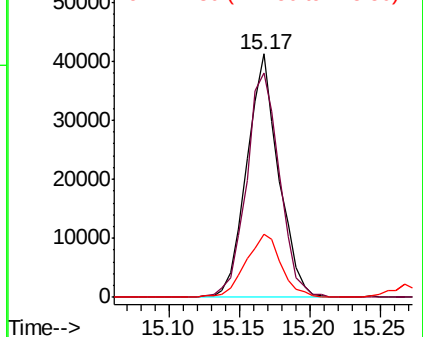
180 100

182 96.3 47.4 142.3

145 28.9 13.9 41.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.725 ug/l

RT: 15.27 min Scan# 2270

Delta R.T. 0.01 min

Lab File: VD063982.D

Acq: 16 Oct 2019 12:46

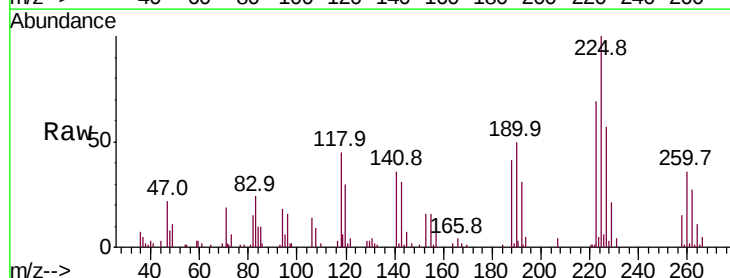
Tgt Ion:225 Resp: 38832

Ion Ratio Lower Upper

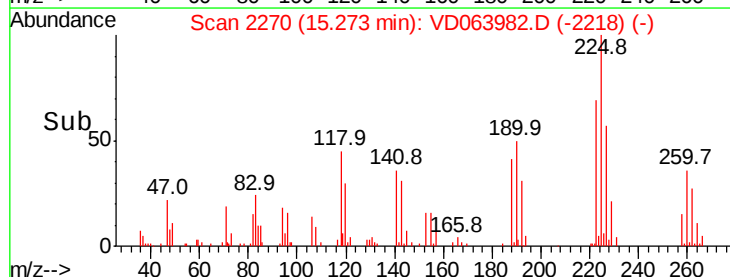
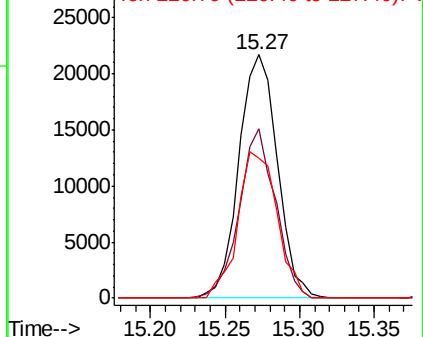
225 100

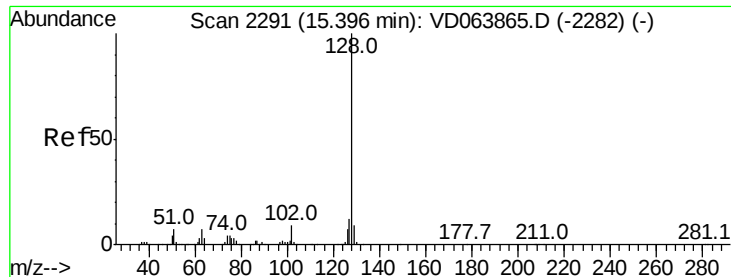
223 65.4 29.5 88.6

227 61.6 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

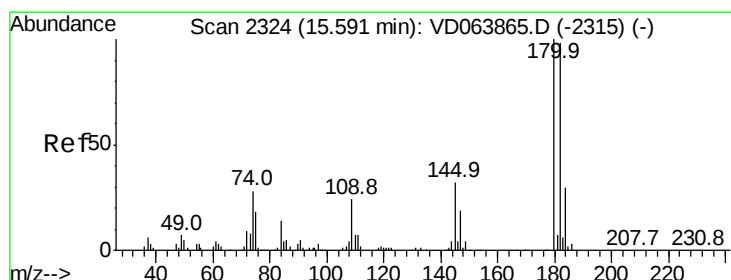
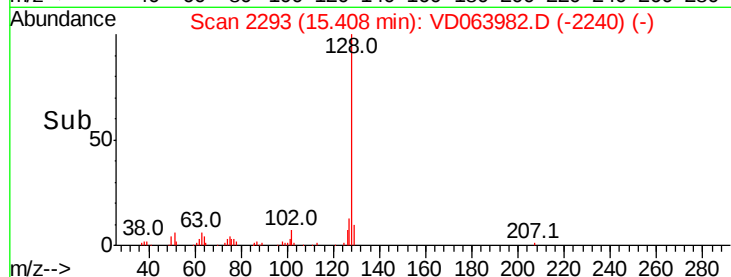
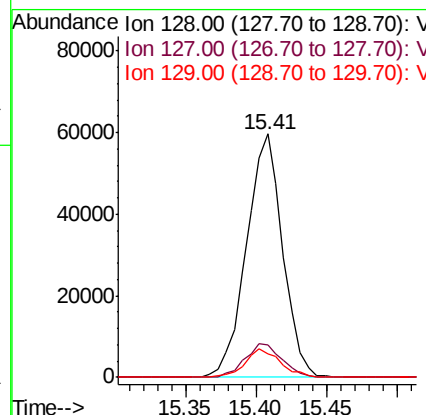
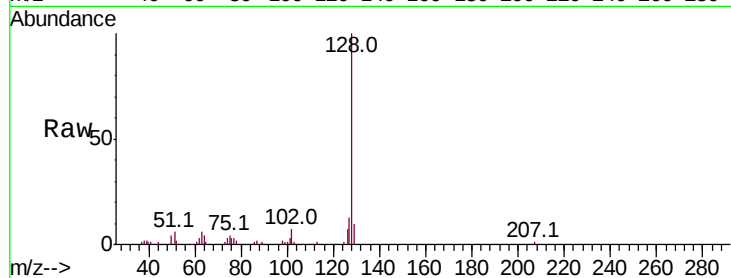




#95
Naphthalene
Concen: 18.698 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 106705
Ion Ratio Lower Upper
128 100
127 13.9 10.6 16.0
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.381 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD063982.D
Acq: 16 Oct 2019 12:46

Tgt Ion:180 Resp: 53846
Ion Ratio Lower Upper
180 100
182 100.0 47.0 141.0
145 31.0 15.3 45.9

